### The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

MAY 14 1955





A rapidly effective antihistamine and analgesic preparation for symptomatic relief in allergic and sensitization dermatoses and other irritant skin conditions.



A general purpose anti-infective cream, containing propamidine, for the prevention and treatment of infection in wounds and for the treatment of impetiginous skin conditions.



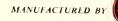
For the rapid control of inflammation, swelling and pain, and for the prevention and treatment of infection in burns and scalds.

Containers of 1 lb. 38s. 6d.\*

Available without prescription

in tubes of oz. 2s. 0d.\*

Retail price in U.K .- subject to usual trade discount





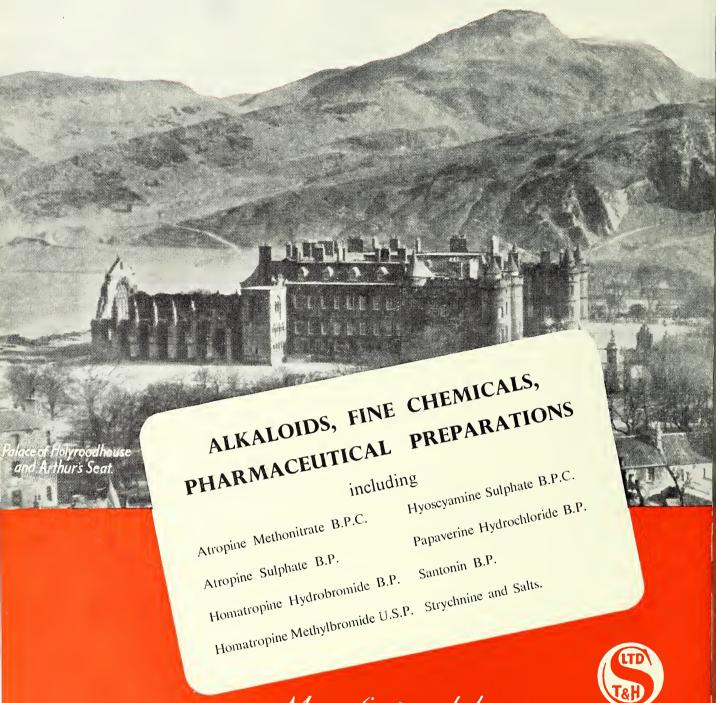
MAY & BAKER LTD

AB Brand Medical Products

MA2649

ISTRIBUTORS: PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD ESSEX

## Famous the world over



Manufactured by
T. & H. SNITH LTD.

Blandfield Chemical Works.

E D I N B U R G H



### **The Pet Food Market Grows and Grows!**

Are you aware of the really big profits that go-ahead chemists are making from cat and dog foods? Every year their sales are rising, and the fine tinned products of Chappie Limited are leaders in the field. Ninety-five per cent of cat food purchasers, for example, buy Kit-E-Kat—and in most cases as often as three times a week. Shouldn't you be cashing in on this profitable market?

LET EVERY HOUSEWIFE WITH A CAT OR DOG KNOW YOU STOCK THEIR PETS FAVOURITE FOOD





reminder. In the ritual of antisepsis there can be no relaxation. In the operating theatre, in the labour ward, in the first-aid post, 'DETTOL' is a constant reminder that the greatest triumph over infection still lies in its prevention.





### Specification



- Kershaw Otar 80mm f/6.3 coated Anastigmat lens in focusing mount.
- 3-speed shutter, synchronised for flash. Cable release socket.
- 12 exposures—2<sup>1</sup>/<sub>4</sub>" square—on 120 film.
- Built-in direct vision optical viewfinder.
- Baseboard shutter release of unique design for rock-steady pictures.

#### Styling



Up-to-the-minute. Handsome all-metal body, covered in grained leathercloth.

#### Quality



Although moderately priced, the '630' has the quality finish of an expensive precision camera.

**Price** 



£9.18.9 (inc. P.Tax)

### it all adds up to more profit for YOU!

SO-BE SURE-WIT



Distributed by

G. B. EQUIPMENTS LTD.

Photographic & Optical Division Dept. CD/5/55, Mortimer House 37-41 Mortimer Street, London, W.1. Telephone: MUSeum 5432

#### THE 110 CAMERA

Also in the G.B.-Kershaw range. Smart. compact and simple to use. And at a very reasonable price. £5.19.10 (inc. P. Tax)

A Member of the BRITISH OPTICAL AND PRECISION ENGINEERS' GROUP Within the J. Arthur Rank Organisation



### RHEUMATISM?

RECOMMEND WITH CONFIDENCE



Containing Soluble ASPIRIN, QUININE, VITAMIN C

unusually effective also in

'FLU, COLDS, NEURALGIA, etc.

Available in attractive Catch-Covers of 12 tablets RETAILING at 1/3 incl. P.T. (profit 5d.)

ASCUM is an ethical product and is being increasingly prescribed.

DISPENSING PACKS

100 tablets 5/6, 500 19/3 free of P.T.

KUMAR (London) Ltd., 91 Belmont Hill, London, S.E.13 Tel: LEE Green 5698 and 9682

### Now in GREAT DEMAND! "Chick Chick" Egg Shampoo ENRICHES AND NOURISHE

Trade price: Boxes of 4 dozen 20/- including tax.

Wholesale and retail enquiries to:

BYROM REAGENTS LTD.

130A Larkhall Lane, London, S.W.4 Macaulay 2310

Byrom's "Chick-Chick" Egg Shampoo is now available in Sachets to meet the demand from discriminating women who prefer the Shampoo which is so kind to the hair. You can recommend it to your customers for its great cleansing and conditioning qualities—especially where the hair is impoverished by excessive permanent waving or where the hair is of exceptionally fine texture.

Specially packed in an attractive three-colour sell on sight " Display Unit containing 4 dozen sachets to retail at 71d. each including tax, trade price 5d. Put it on your counter and put 10/profit in your pocket.





WATCH OUT FOR THE ADVERTISEMENTS IN THE PRESS!

Be ready to benefit from the large scale advertising designed to create sales for you

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Piease send for CALCIFEROL BPJUS.P.

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From the Carnegie Range of Fine Chemicals

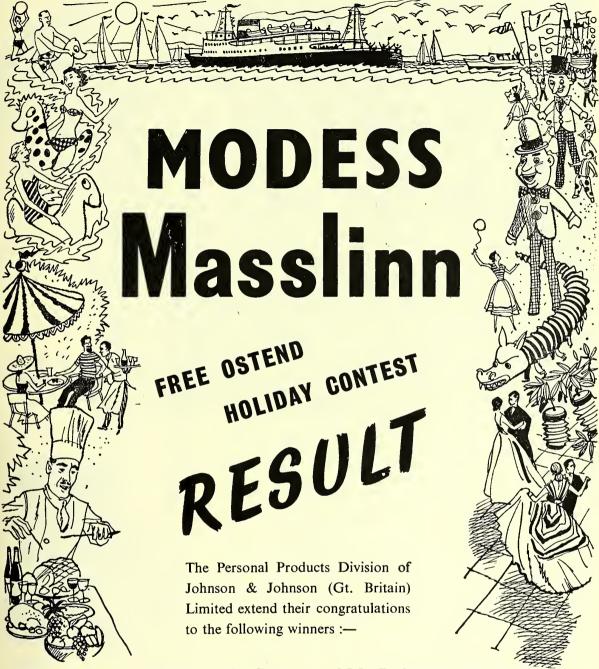
BISMUTH SALTS

CARNEGIES OF WELWYN LTD

Telegrams: 'CARNEGIES, WELWYN GARDEN CITY'

Telephone: WELWYN GARDEN 5001

(6 lines)



Miss A. D. H. WILLIAMS, S.R.N., and Mr. R. S. EVANS, M.P.S., Boots, Oxford Street, Swansea.

Miss J. ADAM and Miss GOURD, Messrs. Issac Benzie, Ltd., 143/169 George Street, Aberdeen.

Miss M. J. HODGSON and Mr. HODGSON, M.P.S., 25 Temple Hill Square, Dartford, Kent.

Our appreciation and grateful thanks also go to all who enterered this Modess MASSLINN competition,

JOHNSON & JOHNSON (GT. BRITAIN) LTD., PERSONAL PRODUCTS DIVISION, WREXHAM & LONDON



Attractively packed. Display material available.

ARTHUR H. COX & CO. [LTD Manufacturing Chemists since 1839 BRIGHTON

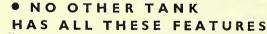
#### THE GREATEST DEVELOPMENT IN TANKS FOR 20 YEARS

Not since spiral tanks were first invented has such a great advance in design been made as in the new POLLY-MIN. This is a brand new developing tank designed specially for processing colour as well as monochrome films with the greatest of ease, efficiency, cleanliness and economy of solutions.

POLLY-MIN was created by the designer of the famous Johnsons and Nebro Universal and J.20 tanks. It is the result of many years of research. PCLLY-MIN outdates all other spiral loading tanks.

- 1 100% Polystyrene, which offers many advantages over cheaper plastics. It has a low water absorption factor, is lighter in weight yet much stronger. It is highly resistant to the chemicals used for processing.
- 2 Takes 120 and 127 roll films, 35 mm. (20 exposure) and No. 88 films.
- 3 Only  $10\frac{1}{2}$  ounces of solution needed for 120 size roll films and only  $6\frac{1}{2}$  ounces for 35 mm. films.
- 4 Transparent flanges enable the "second exposure" in colour processing to be made without removing the film from the spiral.





- 5 Spiral can be instantly adjusted for each size of film. There is a positive lock,
- 6 Roto-feed ensures easy loading.
- 7 Automatic 2-way agitation. The ribs of the spiral flanges are shaped to create turbulence, and allow a free flow of solution over the whole film. The special "jerk" cam action prevents bubble
- 8 POLLY-MIN has a positive lock-on-lid. 9 POLLY-MIN costs no more than the

popular Johnsons and Nebro 120 tanks and less than any other clear spiral tank on the market.

10 Amazingly small and light-wei measuring approx.  $4\frac{1}{2}$ " high x  $3\frac{1}{2}$ " light-weight, diameter and weighing only just over 4 oz.

11 A transparent thermometer stirring rod, in which a thermometer can be inserted.

A practice film and 32-page instruction book are included free of charge.

PRICE
COMPLETE 25/-

The fastest selling tank on the market

#### NEVILLE BRO

77 NEWMAN STREET · LONDON · W.I Telephone: LANgham 7161 (10 lines)



### GOLBA

### introduce new 6 star service

Now customers can order individually designed surgical stockings through you!

- Sufferers see Colby showcard in your window offering individually designed surgical stockings.
- They enter and order from you (wide range includes Nylon Yarn, Elastic Yarn, Nylon and Cotton Nets).
- You fill in the order form and post it.
- We send you customer's exact requirements.
- You complete the sale and pocket the retail profit margin.
- Customers come into your shop twice. Two opportunities for loose change purchases.

No capital outlay on stocks.

No shelf space taken up.

No sales losses through being "temporarily out of stock."



Send today for material samples, eye-catching window display cards, counter leaflets, price lists and order forms.

SURGICAL ELASTIC HOSIERY

Write to:

BOLBI

(DEPT. CD)
314 EUSTON ROAD
LONDON N.W.1

### They'll want KLEENEX

### **ALL** summer lon

#### FOR

PICNICS
WEEK-END TRIPS
MOTORING
HOLIDAYS
CAMPING
HIKING
YACHTING
SUMMER COLDS
HAY FEVER
CHILDREN
GOING ABROAD

—and a hundred and one other uses outdoors and in!

#### - BECAUSE KLEENEX

will be advertised right through the summer—gay, bright ads to bring you a wave of summer buying! Plus special Kleenex Weeks at main resorts all round the coast!



Summertime is a wonderful time for Kleenex\*—the tissue handkerchief with so many summer uses, outdoors and in. Special Kleenex advertising will remind people who are travelling or holidaying, motoring or week-ending, to buy Kleenex before they go.

Special Kleenex Weeks at the main seaside resorts will catch the attention of holiday makers from all over the country, will help bring you more customers this summer—and next winter, too. **Stock up now** to meet this increasing demand.

\*REG. T.M.

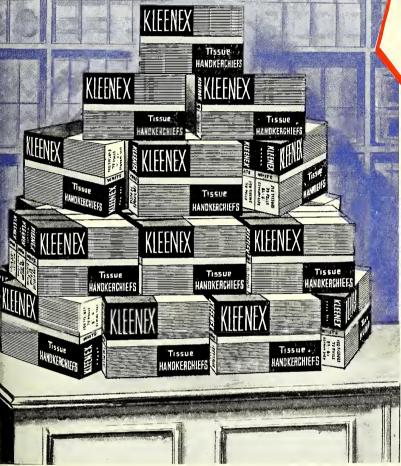
A 5 CASE ORDER GIVES YOU 5% DISCOUNT—

BRINGS YOU 5% EXTRA PROFIT

IT PAYS TO DISPLAY KLEENEX

### **ALL** summer long

display KLEENEX!

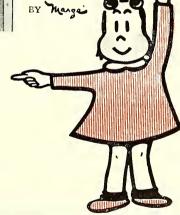


where it's
easy to see...
easy to buy





Here's a free sales tip and a good one. Remember, even in summer, people still need handkerchiefs. So for summer sales, position your Kleenex floor dispenser close to your stocks of sun tan lotion, sun glasses, cameras, beach accessories, etc. You'll find you'll sell a lot more this way!



SAYS

**OUTSELLS ALL OTHER BRANDS COMBINED** 

NEW!

Pears Gloria shampoo now in new, easy-to-handle bottle, in new economy size.

PROFIT!

Economy sizes are popular and this new bottle gives up to seven shampoos for 2/-.

Only 3½d. a shampoo—
an easy sale!

FOR YOU!

A special introductory
bonus and handsome
display piece. Ask your
Gibbs representative
for details.

- conditions

PEARS
Gloria
SHAMPOO

see how lovely it makes your hair

D. & W. GIBBS LTD.

(Selling Agent for
Pears Gloria Shampoo)
Hesketh House,

Portman Square, W.1

PGT.10/940

May 14, 1955

# Join the Barnet Profits Drive For Record Sales in '55



It's boom year-and these are the goods to help you profit from it. Brisk selling Barnet lines in eye-catching display and dispenser packs. Newly designed for this year's market. Top value at moderate prices.

Barnet is the name for well-tested products with a gay new



COMBS & CASES · SUNGLASSES · VANITY SETS · PLASTIC WALLETS · PENS AND ARTISTS' BRUSHES ALUMINIUM KNITTING PINS . NYLON COMBS IN NEW & ATTRACTIVE COLOURS



arnet Fine Combs and Fancy Goods

Ask your wholesaler for further details. Manufactured by:
E. R. HOLLOWAY LTD · WELWYN GARDEN CITY · HERTS · ENGLAND · Tel.: Welwyn Garden City 4444



# INTERNATIONAL BOTTLE CO. LTD.

Designers and Manufacturers of High Quality Glassware

METAL AND COLOURED PLASTIC CLOSURES RUBBER AND POLYTHENE CHEKALEKE PLUGS

140, PARK LANE, LONDON, W.1.

TELEPHONE: MAYFAIR 6992

TELEGRAMS AUTREFOIS, AUDLEY LONDON



STAFFORD ALLEN & SONS LTD. Wharf Rd. London, N.1 CLErkenwell 1000

TAS/AL

### A New Approach



CHOLECYSTITIS

to such conditions of

DYSPEPSIA & HYPERCHLORHYDRIA
GASTRIC & DUODENAL ULCERS
POST-GASTRECTOMY SYNDROMES



### SECRETIN MEBIOL

The Duodenal Hormone purified, standardised and physiologically controlled for stimulating

- A - ARLATIC & BL. - CRITION

SECRETIN, now available on a commercial scale, has been successfully introduced to the Medical Profession.

We will be pleased to supply full details of SECRETIN and to accept orders either direct or through your usual wholesaler.

#### MEDICO-BIOLOGICAL LABORATORIES LTD

CARGREEN ROAD, SOUTH NORWOOD, LONDON, S.E.25



### massive Quosh advertising campaign

SPRING/SUMMER 1955

YOU CAN'T MISS seeing this impressive ½ PAGE Advert. in the

#### DAILY EXPRESS 11.000.000 on MAY 17th.

YOU CAN'T MISS if you stock and sell Quosh-over 50,000,000 advertisements a month will be helping you!

PEOPLE WILL SEE IT!

\* All trade enquiries to BEECHAM FOODS LTD.

Great West Road **Brentford** Middlesex

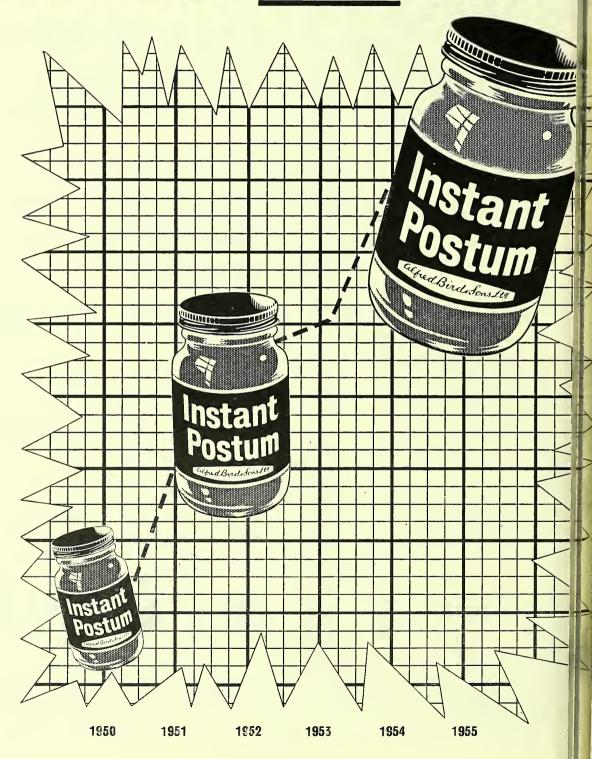
Make sure of your share of profits—at least  $7\frac{1}{2}$ d on each bottle. Tell your customers to

Buy Quosh
selling
-that's A better

MADE BY THE MAKERS OF RIBENA

DAQ/559T

# HOW'S THIS FOR



# BUCCESS STORY?

INSTANT POSTUM, Bird's 2/6 bedtime drink, beats all records, boosts retailer profits

Up, up, UP go the sales of Instant Postum! Bird's 2/6 bedtime drink is proving a real winner!

And don't forget what a profitable line it is for you—it carries a margin of 20%.

#### **THREE GOOD REASONS**

There are three very good reasons for Instant Postum's success.

It's such a wenderful sleep-drink. Instant Postum makes a delicious bedtime drink that is most effective in promoting sound healthy sleep.

It's so economical. Instant Postum costs your customers only 2/6 for a jar that makes 50 delicious cups. Just compare that for value with other bedtime drinks!

It's so well-advertised. Instant Postum advertisements have been telling your customers how Instant Postum nightcaps play a big part in so many health and success stories! This one featuring stage and TV star Elizabeth Allan appeared this spring.



### "100% SLEEP FOR ME" SAYS ELIZABETH ALLAN

In any one day, you might find lovely Elizabeth Allan in many roles. Before the TV camera, on the film set, or hatching up something special for her guests—for she stars in her own kitchen, too. How does she cope?

"To get the most out of every hour of the day" she says, "you've just got to get the most out of every hour you're asleep." No wonder she always makes sure of the "100% sleep" her Instant Postum nightcap gives.

Instant Postum is the bedtime drink that has helped many famous people to success. A pure glucose product, it contains no drugs or stimulants. But, made with hot milk and taken at bedtime, an Instant Postum nightcap does two things for you. First, it helps you to get to sleep. Then, it helps you to have the deep, energy-restoring "100% sleep" from which you wake refreshed and radiant.

Enjoy Instant Postum—the sleep-drink of successful people—tonight. Your chemist or grocer stocks it. 2/6 a 50-cup jar—less than \(^3\_4\text{d}\), a night.

### **Instant Postum**

MADE BY BIRD'S

Summer weather note. Remember last summer? Don't be too sure that the bedtime drink habit goes out when summer comes in! Be on the safe side. Get good stocks of Instant Postum for the summer months.



### **NATIONAL FORMULARY 1955**

Prices of the original proprietary brands of these new N.F. preparations allows dispensing in accordance with Drug Tariff rates and prevents stock duplication.

R. Tab. Aneurin. Co. N.F. 'Benerva' Compound Tablets

R. Tab. Aneurin. Co. Fort. N.F. 'Becosym' Tablets

R. Gutt. Neostig. N.F. 'Prostigmin' Ophthalmic Solution

ROCHE PRODUCTS LIMITED 15 MANCHESTER SOUARE LONDON W1



Refreshing, health-giving Jaffajuce
(80% REAL ORANGE JUICE containing vitamin C)
is going to be No. I with your 'keep fit' customers!

After breaking all records for out-of-season sales last winter, Jaffajuce—the 80% real orange juice drink—is heading for still greater success this summer! To help to keep this quality product out in front, another great advertising campaign is already under way. Big, bold advertisements are

taking the Jaffajuce 'fitness' story into millions of homes... to bring you fine business in a trusted, truly pure product. Watch for the Jaffajuce 'sports series' in all the most important National Dailies, Sunday Newspapers, Weeklies and Provincial papers. You just can't help selling Jaffajuce!



SWEETENED ORANGE

**ORANGE & PINEAPPLE** 

(80% orange juice)

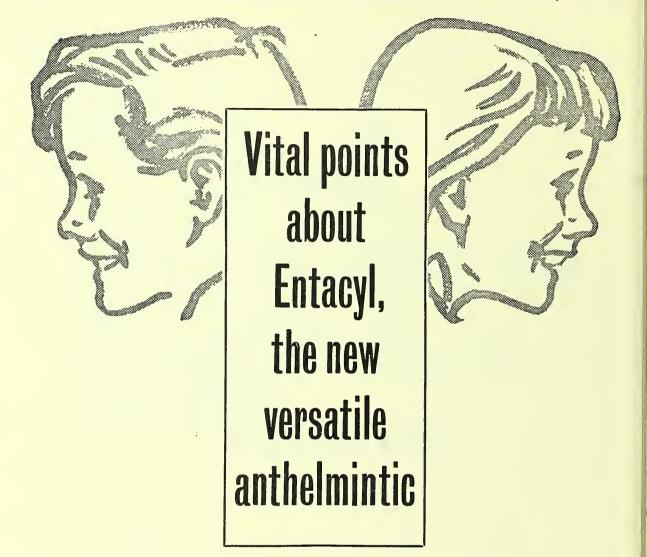
(80% orange and pineapple juice)

#### **BREAKFAST ORANGE**

(80% orange juice)

ALL SWEETENED WITH PURE SUGAR

Trade enquiries ta: BOVRIL LIMITED 148-166 OLD STREET LONDON E.C.I.



- 1 Effective against threadworm and roundworm infestation which it eradicates rapidly without harm to the patient.
- There is no nausea or other side effects even in very young children.
- Tablets may be easily crushed when it is desired to administer them to young children.
- Complete eradication is obtained without the use of an enema.

THE BRITISH DRUG HOUSES LTD. LONDON N.I

TABLETS OF
PIPERAZINE ADIPATE 300 mg.
(BRIT. PAT. APPN. NO. 29123/53)

'ENTACYL'

				Trade	Retail
Bottles	of	25	tablets	3/-	4/6
,,,	,,	100	,,	10/-	15/-
22	22	500	**	42/-	63/-

ENT/T/55

### 11 MILLION PEOPLE

will see this LOXENE half-page in the DAILY EXPRESS



Straight into the homes of more than 11 million prospective Loxene users goes the massive and striking Loxene half-page in the "Daily Express." This is just part of the great nation-wide advertising campaign for Loxene—the wonderful new medicated shampoo and scalp treatment combined.

Everyone's going to read about Loxene—more and more customers will be asking you for it. Backing the "Express" campaign are dominating spaces in the largest circulation national newspapers and magazines. DAILY MIRROR · DAILY MAIL DAILY HERALD · NEWS OF THE WORLD · WOMAN WOMAN'S OWN · WOMAN'S WEEKLY · ILLUSTRATED.

They'll be asking for Loxene—ORDER NOW!

CASH IN ON
THE PROFITS
FROM THIS
TERRIFIC SALES DRIVE

HOW TO SPEED SALES

- ★ Display Loxene on your counter in the handy sell-out container
- ★ Make counter pack displays with the attractive pack crowners

LOXENE

MEDICATED SHAMPOO AND SCALP TREATMENT

F. W. HAMPSHIRE & CO. LTD. · SUNNYDALE · DERBY.

# Quickies advertising

Yes, over 100% increase this year in Quickies advertising! In women's magazines, national dailies and Sunday newspapers, millions more women will read about speedy, face-reviving Quickies... Quick! My Quickies! Quick turnover, Quick profits! Everything at the double with Quickies! *Trade terms and prices*: Quickies Vanity packs (retail price 1/9)—9/4 per dozen. Quickies 'Keep-Moist' jars (retail price 4/-)—21/6 per dozen. 5% Display Discount on orders for 3 dozen, in complete dozens.

### Bonus offer time extended until May 31st on both Quickies and 5 day

By ordering a minimum of 10 dozen 1/9 Vanity pack Quickies and 1 dozen 4/'Keep-Moist' jars, with your bonus order of 5 Day deodorants, as detailed below, a special

### 10% BONUS DISPLAY DISCOUNT WILL BE GRANTED ON QUICKIES

With this Quickies order must be included 3 dozen 5 Day Sticks, 2 dozen 1/9 5 Day Pads, ½ dozen 3/- 5 Day Pads. This composite order attractively packed in a combined Display Dispenser unit also carries a 10% bonus discount in return for 14 days display.



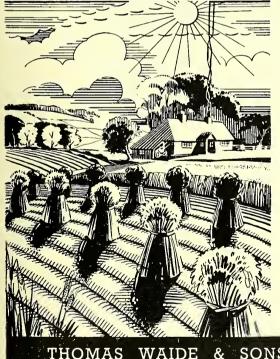
Orders for bonus terms must be received before May 31st.

Sole Distributors · FASSETT & JOHNSON LTD 86 CLERKENWELL ROAD LONDON ECI



HEAD OFFICE & WORKS: MANSFIELD ROAD, DERBY. Tel: 48266 (4 lines)
BRANCH WAREHOUSE: GROSVENOR ST., ASHTON under LYNE. Tel: 2816 (3 lines)

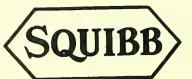
### AS THE SUN IS TO THE HARVEST.....



You in your business aim to reap the harvest of your labours and though the yield might not be determined by the rays of the sun, it could possibly be very considerably improved by presenting your products in such a way as cannot fail to attract the attention of the potential purchaser. They must arrest attention and yet leave no cause for offence. They must be designed with dignity and good taste. For more than seventy years, we have specialised in designing and producing such literature, cartons, labels etc., and though we have still much to learn, our experience has earned a name and goodwill that is reflected in pharmaceutical packings throughout the world, yet we are never satisfied. We esteem and appreciate our old customers, but at the same time we thirst for new ones. Why not give us a trial when you are next in the market for print. Nothing is too small and such enquiries will receive the same attention and appreciation as those for the bigger buyer.

THOMAS WAIDE & SONS LTD., KIRKSTALL, LEEDS, 5

ESTABLISHED OVER 70 YEARS



DISSEMINATED SCLEROSIS

PARAPLEGIA

HEMIPLEGIA

R H E U M A T I C D I S O R D E R S

CHOREO-ATHETOSIS



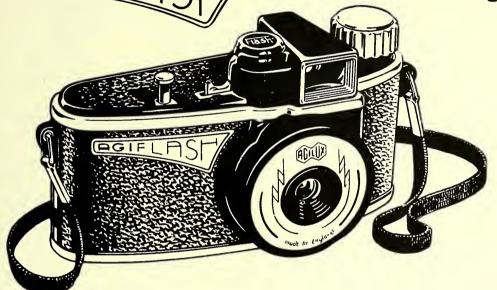
### TOLSERAM

Mephenesin Carbamate—Squibb

The green colouring material will be omitted from Tolseram tablets in the near future. Hitherto the tablets have been coloured green to distinguish them from Tolserol (mephenesin) tablets, but it has been shown, both clinically and pharmacologically, that Tolseram is superior to mephenesin in every respect. For this reason, the manufacture of Tolserol (mephenesin) tablets will be discontinued in due course, and the distinguishing colour of Tolseram tablets will become unnecessary.

E. R. SQUIBB & SONS, 17-18 OLD BOND STREET, LONDON, W.I. HYDE PARK 1733





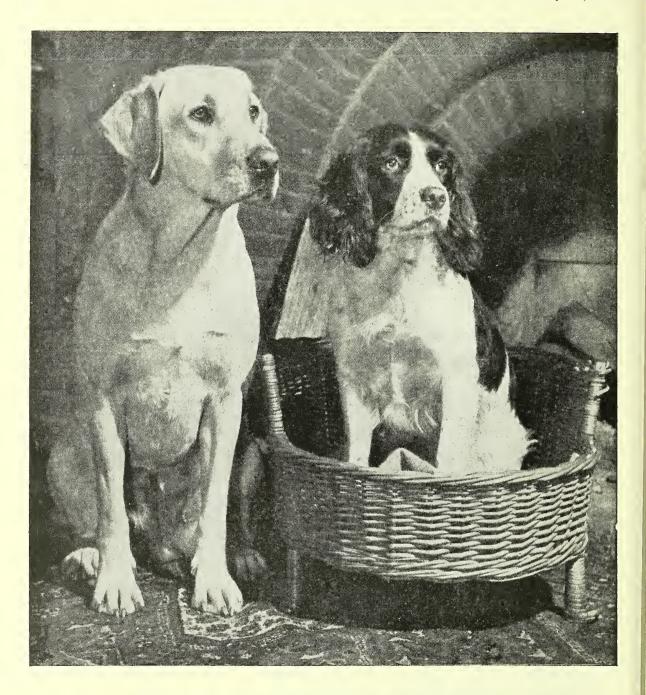
- "Automatic Synchronisation and Flash Bulb Ejection"
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COMPELLING PRESS ADVERTISING

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COLOURFUL NEW DISPENSERS

These striking new FREE Dispensers contain the *best sellers* in the Halex range. They simplify ordering, stocking and selling. And they tie in with the striking new press advertising.

THREE NEW DISPLAY PIECES

We've produced three striking new counter units that tie in with the National advertising and pack a punch right at the point of purchase.

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The bonus scheme covers the fastest selling brushes in the Halex range — the luxury 5-Star brushes in nylon (261) and bristle (265)... and the popular 260 Nylon brushes, hard or medium.

Write for full details to your usual supplier.



Containing one doz. 260 nylon medium and one doz. 260 nylon hard.



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Containing one doz. bristle 265 and one doz. nylon 261, 5-Star Brushes.

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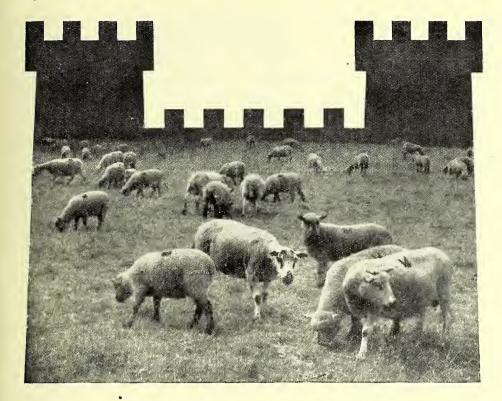
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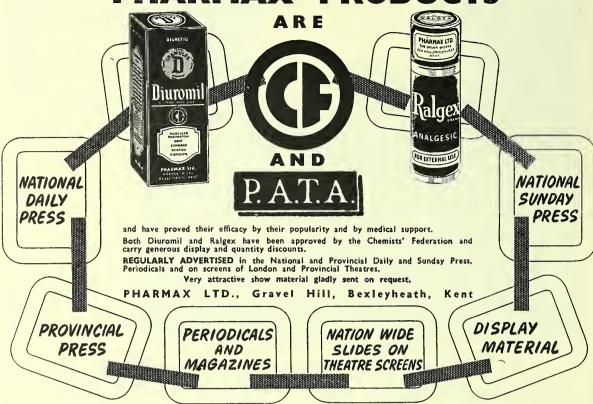
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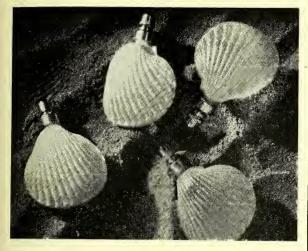
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## THE CHEMIST AND DRUGGIST

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 163

May 14, 1955

No. 3925

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Volume 163

MAY 14, 1955

No. 3925

## **Franco-British Commission**

#### FRENCH LECTURERS IN BRITAIN

PROFESSOR Truhaut (faculty of pharmacy, University of Paris) and Mr. Auguste Manchec are arriving in London on May 16 for a lecture tour in Great Britain under the auspices of the Franco-British Pharmaceutical Commission.

Their programme is as follows:— May 16: At 3 p.m., visit to Portsmouth College of Technology exhibition; at 6.45 p.m., informal dinner with the officers of the Portsmouth Branch of the Pharmaceutical Society; at 8 p.m., address by Mr. Manchec to members of the Branch.

chec to members of the Branch.

May 17: At 10 a.m., address by Professor Truhaut to students of the Portsmouth College of Technology.

May 18: At 10 a.m., address by Professor Truhaut to students of Professor Truhaut to students of Professor Truhaut at Students of Stude

May 18: At 10 a.m., address by Professor Truhaut to students of Plymouth Technical College; at 6.45 p.m., informal dinner with the officers of the Plymouth Branch of the Society; at 8 p.m., address by Mr. Manchec to members of the Branch.

May 19: At 8 p.m., address by Mr. Manchec to Bristol Branch members.

May 20: At 10 a.m., address by Professor Truhaut to students of the Bristol College of Technology.

May 23: At 2.30 p.m., addresses by Professor Truhaut and Mr. Manchec to

May 23: At 2.30 p.m., addresses by Professor Truhaut and Mr. Manchec to students of Chelsea Polytechnic, London, S.W.3; at 8 p.m., attend Pharmaceutical Society's reception in London. Professor Truhaut is lecturing on phytopharmacy, and Mr. Manchec on the pharmacist's rôle in industry.

## Pharmaceutical Industry ASSOCIATION'S OFFICERS FOR 1955-56

AT the annual meeting of the council of the Association of British Pharma-

ceutical Industry held on May 5, the following officers were appointed for 1955-56:—President: Mr. C. M. Hill (The British Drug Houses, Ltd.); Vicepresident: Dr. T. H. M. Kerfoot (Thomas Kerfoot & Co., Ltd.); Treasurer: Mr. G. T. Morson (Thomas Morson & Son, Ltd.), Mr. H. C. H. Graves (Vitamins, Ltd.), treasurer of the Association since January 1, 1948, did not stand for re-election because of increased business commitments, but was co-opted to the council for the year.

#### **Chemists Federation**

COUNCIL MEETING

A MEETING of the Chemists Federation Council was held on May 5, the president (Mr. P. D. J. Spaanderman) in the chair. Meetings of committees were held on the previous day. The council approved the following additions to C.F. agreements:—Parke, Davis & Co., Ltd., Bardase; Sharp & Dohme, Ltd., Cremomycin. Reports were received of a meeting of the Leicester Branch of the National Pharmaceutical Union which had been addressed by the president and Mr. K. C. Ward and also of the N.P.U. Welsh area meeting which had been addressed by the president and secretary on C.F. matters. It was reported that arrangements had been made for the assistant secretary to address meet-

ings in Scotland at Stirling (May 16), Kirkcaldy (May 17), Kelso (May 19), Dumfries (May 20). The outside representative of the Federation submitted a report on propaganda work that he had undertaken in Scotland since the last meeting of the council. A further report was received upon the visits made to chemists in Derby by a representative of the Federation. Among other matters considered by the Council were resolutions passed at the recent C.F. tripartite meeting.

#### **Census of Production**

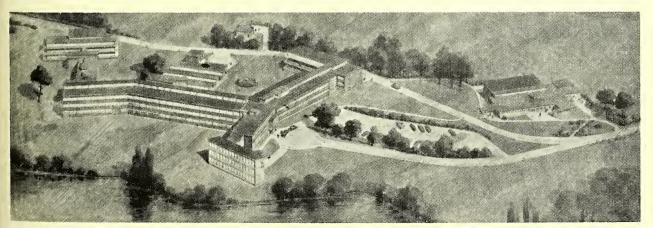
ARRANGEMENTS FOR 1956

THE Census of Production to be taken in 1957 for the year 1956 will be a simplified census conducted on a sample basis, similar to the Census for 1955. The statutory form of return for the larger establishments will be a simplified one and the questions to be covered will be identical with those asked in the 1955 census. Smaller firms with fewer than eleven employees will be required to state only the nature of their business and the number of persons employed. The method of sampling will be similar to that used in the 1955 Census and only a proportion of establishments will be required to make returns. Firms that are selected for inclusion in the sample will be advised in the autumn of 1955; they will be sent an advance copy of the form to enable them to arrange their records accordingly.

## Sulphuric Acid

HIGHER U.K. PRODUCTION

PRODUCTION of sulphuric acid in the United Kingdom during the first quarter of 1955 rose to 536,547 tons (calculated at 100 per cent. H<sub>2</sub>SO<sub>4</sub>) from 513,731 tons in the previous quarter.



THE SHAPE OF FUTURE RESEARCHES: Scale model of proposed pharmaceutical laboratories, offices and canteen, according to a design by Harry S. Fairhurst & Sou, architects, for Imperial Chemical (Pharmaceuticals), Ltd. The site of the proposed laboratories is at Alderley Park, nr. Manchester.

The latest figure represents 86.2 per cent. of production capacity. The amount of acid sold during the quarter to the various trades was 549,764 tons and as that was greater than production the stock in hand at 63,925 tons was less than at the beginning of the year. The above statistics are from the monthly returns of the National Sulphuric Acid Association, Ltd., and exclude acid from all Government plants.

## Fine Chemicals Group

ANNUAL MEETING

THE annual meeting of the Fine Chemicals Group of the Society of Chemical Industry, held in London, recently, was well attended. Reports by the secretary (Dr. J. D. Kendall) and treasurer (Dr. J. Elks) were presented and accepted. THE CHAIRMAN (Dr. H. J. Barber) appropried that two (Dr. H. J. Barber) announced that two changes of officers would occur through the resignation of Drs. D. W. Adamson and S. H. Harper, and that the Committee had elected Dr. B. A. Hems a Vice-chairman and Dr. J. H. Wilkinson Recorder. THE CHAIRMAN declared elected as members of committee Dr. G. E. Foster, Mr. D. N. Gore, Mr. F. J. Green and Professor D. H. Hey. Following the annual meeting, DR. WILLIAM MITCHELL (a past-chairman) presided while DR. BARBER delivered his chairman's address, which was en-titled "Chance and Design in the Search for New Drugs." Dr. Barber said that it might not be a wildly inaccurate guess to suggest that upwards accurate guess to suggest that upwards of 500 graduates were directly concerned in Great Britain in the search for new drugs. Clearly it was easier to plan a piece of industrial research rationally if a defined objective could be stated. Chance had been one of the determining factors in starting a number of chemotherapeutic investigations, and the speaker posed the question whether the vast accretion of know-ledge on biological processes that had been built up in the past few decades, mainly by biochemists, did in fact enable chemists to design more logically their searches for new drugs. He concluded with a plea to make more widely known to the young people of today what the industry did.

## Fifty Years' Service

LUNCHEON TO A CHIEF ACCOUNTANT

A LUNCHEON party to celebrate completion of fifty years' service by Mr. Gilbert E. Tout (chief accountant and cashier, Gale, Baiss & Co., Ltd.) was held in London on May 6. The party was attended by the directors of party was attended by the directors of the company and by a number of em-ployees. Mr. Tout, who commenced work in the office of Baiss Bros. & Co., Ltd., on May 5, 1905, and on the amalgamation of Baiss Bros. with Gale & Co. in 1934, continued in his post, was presented with a clock from the directors and staff of the company.

## Surgical Appliances

COURSE OF LECTURES

COURSE of eight lectures in the fitting of trusses and other surgical ap-pliances is being held at the Salford Royal Technical College on Tuesday evenings at 7.30 p.m., beginning in June. The lecturer is Mr. F. Mitchell-Heggs, F.R.C.S., author of the textbook which will be used on the course, "Hernia—a Manual for Truss Fitters." The fee for the course is 25s. and there will be an examination at the end of it the fee for which is £5.5s. there will be an examination at the end of it, the fee for which is £5 5s. Inquiries or requests for other information may be made to Mr. H. A. W. Bond, Registrar, Abdominal Hernia Appliance Fitters' Scheme, British Institute of Surgical Technicians, 6 Holborn Viaduct, London, E.C.1, or to Mr. J. A. L. Shelmerdine, 1 Kelfield Avenue, Wythenshawe, Manchester, 23.

#### IRISH NEWS

#### **Cork Association**

VISITORS FROM DUBLIN

A LARGE audience of members of the Cork Chemists' Association at a meeting on April 25 was addressed by Messrs. M. Costello and P. F. McGrath (president and vice-president, respectively, of the Pharmaceutical Society of Ireland) and B. R. Smith (secretary of the Irish Drug Association). Mr. E. P. Kenny (chairman of the Association) presided, MR. COSTELLO made a statement on vital matters of concern to Irish pharmacy; there followed a discussion. The position of pharmacy under the Health Acts, and the possibility of extensions to middle income groups was also discussed, and Mr. McGrath gave a résumé of the situation. The granting of guild discounts to bank employees, civil servants, etc., was mentioned and debated. Mr. SMITH stressed the need for unity and solidarity, with loyal adherence to the code of the Irish Drug Association, especially in view of the critical times chemists were passing through. On the question of closer co-operation between city and county chemists, and the desirability of summoning the county chemists to city meetings, THE CHAIR-MAN said it was most likely three or four places would be made available on the committee to county chemists if they were prepared to attend meetings. The county chemists would be invited to attend the Cork Chemists' annual meeting to be held soon.

#### West of Ireland

ASSOCIATION MEETS AT ROSCOMMON

A MEETING of the West of Ireland Chemists' Association, held in Ros-Chemists' Association, held in Roscommon on April 17, was attended by Messrs. M. Costello (president, Pharmaceutical Society of Ireland), P. F. McGrath (vice-president of the Society), D. J. Murphy (president, Irish Drug Association), and B. R. Smith (secretary, Irish Drug Association). Mr. Costello addressed the meeting on the Fair Trade Commission's inquiry the Fair Trade Commission's inquiry, and upon the proposed heads for a new Pharmacy Bill. In the discussion which followed, MESSRS. F. MCANENA, G. HEWSON, and A. A. TOHER urged the Society to appeal to the Supreme Court against the decision of the High Court regarding the position of pharmacy in relation to the Commission.

Mr. McAnena also stressed the need for an up-to-date Pharmacy Bill. Mr.

M. KIERNAN thought the Society should be influenced by the advice of their counsel on the question of going to the Supreme Court. MR. COSTELLO told the meeting that no final decision would be taken without referring the issue to the members. The contradictory views of the two High Court Judges was likely to be followed by

a further High Court statement (since made—see C. & D., May 7, p. 509).

MR. C. J. DOHERTY said every effort should be made to have the word "profession" defined, and to ensure that pharmacy came within that definition. Some members mentioned the desirability of having a degree in pharmacy initiated in one of the universities. The provision of maternity packs for lower income group domiciliary confinements was considered. A vote of "implicit confidence" in the in the Pharmaceutical Council and the I.D.A. committee, proposed by THE CHAIR-MAN, was carried. MR. R. S. KILGARIFF, Tuam, referring to horticultural and veterinary lines, said that chemists in the country could double their business in those goods if they set them-selves out to do so. Mr. McGrath said chemists in rural areas should welcome specialists from the manufacturers who came to give lectures on that specialised type of business. Mr. Murphy explained the attitude of the I.D.A. with regard to unqualified staff.

#### **Ulster Chemists**

MEETING OF ASSOCIATION EXECUTIVE

AT the May meeting of the executive committee of the Ulster Chemists' Association held in Belfast on May 4, with Mr. W. H. Boyd (president) in the chair, THE PRESIDENT referred with regret to the recent death of the father of Mr. W. J. Moffett (a member of the committee) and also that of Mr. J. Guthrie, who had been a member of the Association for many years. The following were elected to membership: Messrs. T. M. McGread, Main Street, Castlederg (branch); J. McCluskey, 24 Market Street, Lurgan (branch); H. G. Campbell (Chemists), Ltd. (successor to Mr. J. Stewart), 19 High Street, Ballymoney (branch). A member raised the question of the recent substantial reduction in prices of its products made by a certain manufacturer, and the Association for many years. made by a certain manufacturer, and it was agreed that the Association should pursue the matter of rebates at the time of the reduction and ask for the time of the reduction and ask for a statement of the firm's policy. It was decided to ask the chamber of trade to take action again for fairer treatment of retailers in the case of reduction or removal of purchase tax. The President reported that he had been approached by some of the local wholesalers with regard to the possibility of forming a wholesalers' association in Northern Ireland. It was agreed that it was beyond the province agreed that it was beyond the province of the Association to take that further.

#### Final Examinations

LODGING OF ENTRY APPLICATIONS

APPLICATIONS for entry to the final Part I and Final Part II examinations of the Pharmaceutical Society of Northern Ireland should be lodged with the secretary (Mr. W. Gorman) on or before May 21.

#### NEWS IN BRIEF

BENTONITE can now be imported from all countries without individual import licences. Imports from dollar sources were subject to licensing control up to May 13.

Over £2,000 worth of antibiotic drugs to counter possible outbreaks of disease following recent Greek earthquake disasters have been placed at the disposal of the Greek Prime Minister by Pfizer, Ltd.

At the annual meeting of the London Chamber of Commerce on May 3, Sir Edward R. Chadwyck-Healey, Bt., M.C., was elected *President* in succession to Lord Luke, T.D., D.L.

At the annual meeting of the Chemical Society held in London recently, Professor M. Stacey and Sir Alexander Todd were elected *Vice-presidents* and Professor F. Bergel was elected *Honorary Secretary*.

AN Order, published as S.I. 1955, No. 663, exempts from Key Industry Duty, for the period May 9 to August 18, ephedrine hydrochloride of a purity not exceeding 95 per cent., and ethyl 4:4'-dichlorobenzilate.

MR. M. W. PARTRIDGE, B.Pharm., B.Sc., Ph.D., F.P.S. (lecturer in pharmaceutical chemistry, University of Nottingham), has been elected to the Lord Trent readership in pharmaceutical chemistry in the department of pharmacy of the University from October 1.

THE following have been elected officers of the National Association of Women Pharmacists for 1955-56:—
President, Mrs. N. Williams; Vicepresident and Registrar, Miss M. C. Dodd; Treasurer, Miss O. W. Scarlett; Employment Secretary, Mrs. R. Quintrell, 182 Upper Richmond Road, East Sheen, London, S.W.14; Secretary and Editor, Mrs. E. N. J. Jones, 6 Ravenswood Avenue, Rock Ferry, Ches.; Committee, Miss M. H. Perkins, Mrs. M. R. Townley, with Misses M. A. Burr and M. C. Islip both ex officio.

#### SPORT

Golf. — EDINBURGH CHEMISTS' GOLF CLUB, competition at Dalmahoy recently for the Organon prize:—J. Leckie (1), 81; scratch, J. Leckie 82, No. 1 section (tic), P. R. Fallon (scratch) and R. S. Matheson (8), 83, No. 2 section, J. A. Smith (13), 86,

Ulster Chemists' Golfing Association, at Clandeboye golf club, on May 4, competition for the Groves cup. Won by D. Moncrieff; runner-up, R. Foye; best gross, D. H. Coffey; first in bogey competition, W. J. Moffett, runner-up, H. Reynolds.

IRISH CHEMISTS' GOLFING SOCIETY, Carlow golf elub, April 24, Competitions for St. Dalmas, Coty and Allenburys prizes. Eighteen Holes Strokes: Winner: J. Fitzpatrick (18), 72; runner-up: P. McAuliffe (12), 73, Best First Nine: Winner: P. P. Gray. Best Second Nine: T. J. Lynch, Eighteen Holes Bogey: Winner: A. Walsh (13), all square; runner-up: D. N. Mulvey (14), 2 down. The captain (Peter Fullain) presided over supper at the club house. The three-day outing is beginning at Rosslare on May 22, and members are urged to make the reservations as soon as possible with Mr. P. H. Fahey (secretary).

Snooker.—SHEFFIELD PHARMACY CLUB.—Finals for the G, K, Greenstreet snooker trophy and the billiards trophy, on April 25, Winners:—Snooker, F. Vickers; billiards, T. W. Webster.

## TOPICAL REFLECTIONS

By Xrayser

### Ethical Responsibility

Professor Dunlop, in opening the Edinburgh Medical Exhibition, appears to have extricated himself from a delicate situation in a very happy fashion. To the chairman of the British Pharmacopæia Commission, the opportunity offered by the occasion must have been very tempting, yet he gave considerable credit to the pharmaceutical industry for the part it has played both in research and development. It must be difficult for the busy general practitioner to find time to examine new products in the light of the knowledge acquired by what Professor Dunlop was pleased to call "the bleatings of professors of therapeutics" and it may be that the doctor is as susceptible to high-pressure salesmanship as is his patient in a different sphere. The word ethical in regard to medicines has proved to be comprehensive. It is possible that we shall develop along lines that will eventually provide an approved list of products, though to some this may sound like a form of restriction. But, as Professor Dunlop points out, great influence carries with it great ethical responsibilities. A recognition of that fact by the whole of the pharmaceutical industry, and an increased use of the knowledge and the critical faculties of the doctor, could render unnecessary what might appear to be a curb on freedom.

### Prescription Books

The news that pharmacists in Scotland are responding favourably to the Scottish Executive's appeal for prescription books makes heartening reading (p. 494). The introduction of the Health Service has undoubtedly affected what was recognised pharmaceutical practice. So much of history perished in the indiscriminate "salvage" campaigns during the war that it is good to know that the prescription book was in many cases regarded as sacrosanct. It is to be hoped that books of an earlier date than 1883 will still come forward, and that a still wider area will be covered, for these pages constitute a history of both medical and pharmaceutical practice. It should be borne in mind that some of the doctors prescribing in 1883 may have qualified fifty years earlier, and would probably come under the influence of such as Gregory, Hamilton, Christison, and Robert Knox. A notable absentee in the list of towns represented by the books is Aberdeen. The visit of the Conference this year may cause the omission to be repaired.

## The Good is Oft Interred

I had almost said the notorious Robert Knox in reference to the last-named of the four famous men in the previous paragraph, for Knox incurred the wrath of the populace for his part in the purchase of bodies from the infamous Burke and Hare. As a lecturer in anatomy, Knox had a well-deserved reputation, and it is perhaps unjust that his work of solid worth should be forgotten, and that he should be remembered only for his connection with two unscrupulous murderers. It was unfortunate that there was an insufficiency of material for demonstration purposes, and Knox has necessarily to be judged against the background of the resurrectionists—a trade in a branch of scientific goods, as Jerry Cruncher called it. The irony of it is that Burke and Hare, on their first mission with the first body, were directed by a student to Knox's dissecting rooms, when it had been their intention to trade with Dr. Munro. It has been maintained that Knox was unaware of the origin of the bodies, though one would have imagined that so knowledgeable an anatomist as he was would have observed some evidence likely to arouse suspicion. The outcome was the eventual ruin of Knox, whereas the loyal student who acted as guide rose to fame as Sir William Fergusson, of King's College Hospital, surgeon to the Queen, and President of the Royal College of Surgeons. I am unable to point a moral, though Mark Antony was not unaware of what happens to those such as Caesar and Robert Knox.

## OVERSEAS NEWS

#### Animal Nutrition Conference

There was a compelling need to improve the efficiency of animal feeding, as the demand for foodstuffs was increasing with the world's population, said Dr. Herbert Luther (head of the Pfizer Agricultural Research Institute of Terra Haute, Indiana, U.S.A.), speaking before the opening of a conference held in Rome on May 10-12, at which agricultural scientists from Britain, West Europe and the United States discussed methods of increasing the world's supplies of livestock and poultry. Scientific supplements to feed rations had contributed largely to increasing feed efficiency, said Dr. Luther. Prominent among them were antibiotics like Terramycin, as yet unidentified growth factors, and materials having a hormonal activity. Dr. Luther said that among the newest studies to be revealed during the Rome symposium would be the oral use of hormonal materials. Preliminary research in America had indicated that there was a 19 per cent, improvement in the rate of gain for cattle fattened with them, and the increase in feed efficiency in fattening beef cattle amounted to 15–16 per cent. Diethylstilbæstrol, in combination with antibiotics, was the substance with which the most recent hormone research had been undertaken.

#### SOUTH AFRICA

#### **Progress Against Tuberculosis**

TUBERCULOSIS was still South Africa's greatest menace to health among non-Europeans, but some progress had been made, said Mr. Naude (South African Minister of Health) opening a national tuberculosis conference in Cape Town on May 3. There had been a fall in on May 3. the tuberculosis death rate. Of 25,000 beds required for tuberculous patients, 9,400 were already available, and the Government hoped to provide an additional 2,000 soon. He hoped that the South African Tuberculosis Association would provide 6,000 beds, and local authorities the remainder. Secretary for Health said that after much research his department was now encouraging local authorities to use B.C.G. vaccine as a control measure.

#### SOUTHERN RHODESIA **Antimalarial Campaign**

ANTIMALARIAL spraying of native huts has achieved "amazingly good results" according to a statement by the Southern Rhodesia native affairs described in the southern Rhodesia native hut show the southern Rhodesia native huts have been southern Rhodesia native huts have a southern Rhodesia native affairs described in the southern Rhodesia native huts have been southern Rhodesia native huts have been southern Rhodesia native affairs described in the southern Rhodesia native affairs described partment. In districts where huts have been sprayed, malaria has decreased by 60 per cent. in the past two years.

## UNITED STATES and CANADA

## British Photographic Award

Dr. Julian H. Webb (associate head of the physics division at the Eastman Kodak Co. research laboratories in the United States) has been awarded the 1954 progress medal of the Royal Photographic Society of Great Britain, for research on the photographic process. Making the award, the council of the Society cites him for his

"important series of studies of the photographic process extending over many years." The studies deal with the fundamental theory of photographic exposure and the structure of the latent image.

#### Poliomvelitis Vaccine

Dr. Leonard Scheele (American surgeon-general) ordered on May 8 the postponement of further vaccination of children with the Salk poliomyelitis vaccine. A detailed examination of each lot of vaccine already prepared or in final stages of production was being undertaken. As it proceeded, vaccine would be cleared on a "lot by lot" basis. It is expected that the vaccine will be available again in about one week. Fifty out of 5,000,000 vaccinated children have contracted paralytic poliomyelitis. In Canada where more than 250,000 children have been vaccinated without ill-effect, vaccination is continuing according to plan,

#### Chlortetracycline Regulations

REGULATIONS were issued recently by the Food and Drug Administration prescribing tests and methods of assay and providing for the certification of chlortetracycline surgical powder and tetracycline hydrochloride surgical powder. Amendments also were made to the regulations relating to certification of chlortetracycline suppositories and to the certification of several chloramphenicol products to extend the certification period.



OVERSEAS STUDENTS AT GREENFORD: Members of the Overseas Science Students' Association listening to an explanation by Dr. L. Parker of the work of the biochemistry unit of Glaxo Laboratories, Ltd., Greenford, Middlesex, during a recent visit to the company's headquarters.

## MEDICAL SERVICES

#### **British Medical Association Committee's Report**

THE report of the general medical services committee of the British Medical Association to the 1955 annual conference of local representatives, published in the *British Medical Journal* Supplement recently, mentions the fol-

lowing points:

Under the heading "Prescribing and Dispensing," the report states that, fol-lowing the Minister of Health's announcement in Parliament that doctors would be asked not to prescribe certain proprietary preparations where it had not been possible to reach satisfactory price arrangements with the manufacturers, the committee was shown a draft circular letter to doctors in which the Ministry set out details of the preparations affected. Assurance was sought from the Ministry that the announcement in no way departed from the agreed policy that the general practitioner would be free to prescribe whatever he thought necessary in the best interests of the patient and after further discussion the circular was amended to make that quite clear, but the Ministry was left in no doubt about the committee's view that it was unfortunate that the Minister had opened his campaign by referring to a group well-known proprietary anti-asthmatics which, though more costly, were frequently ones which were best tolerated and most efficacious in certain individual cases. A change of drug in such a case might have a bad psychological effect.

The committee is seeking the addition of the following articles to the list of appliances prescribable by general practitioners in the National Health Service:—(1) Pessaries (Simpson's shelf, celluloid ring, india-rubber ball; (2) tubular gauze; (3) Alficetyn nonad tulle; (4) finger cots; (5) Cellanband bandages; (6) two-way stretch knee caps. At the request of the committee the Ministry has added the following substances to the special list of expensive drugs:-Mysoline, piperazide preparations and streptomycin.

Regarding prescriptions for cod-liver oil and malt the committee is given to understand that in no case is a prescription under 4 lb, challenged by pricing bureaux, and that even so where the patient is suffering from tuberculosis, no further action is ever

The committee is representing to the Ministry of Health that the recently introduced 1½-c.c. type of insulin syringe is not suitable for the purpose for which it was designed. The Ministry is being asked to provide a 2-c.c. syringe of the same length as the 1 c.c., but with a wider barrel. It was pointed out that if a spirit container were provided with those two syringes it might reduce breakages and facilitate sterilisation.

The question of introducing stock orders for doctors' immediate prescribing needs is to be discussed again with the Ministry of Health.

The committee has been informed that the Association of British Phar-maceutical Industry would be prepared to recommend to its members that manufacturers and wholesalers should increase to a material extent the pro-fessional discount allowed to N.H.S. dispensing doctors on ethical propriet-ary preparations. That offer is to be considered by the rural practices subcommittee.

On the question of collecting prescription charges, the committee thinks that the position of the dispensing doctor is far better than that of the chemist, and that to place him in the same position as the chemist would not be to his advantage.

The committee records its appreciation of the prompt action taken by the Pharmaceutical Society in controlling the free sale of methylpentynol.

## EFFECT OF SUGAR ON DENTAL CARIES

### Medical Research Council investigation

THAT relatively great differences in the total sugar content of the diets of children in institutions have no significant effect on the initiation or spread of dental caries in periods of from one to two years is the conclusion of a Medical Research Council report, "The Effect of Sugar Supplements on Dental Caries in Children," published on May 6. An investigation had been carried out by the authors in the form of three simultaneous studies in London, Liverpool and Sheffield, to test the effect on the initiation and spread of caries of different amounts of sugar taken in the diet.

#### Scope of the Studies

The studies were limited to children and included both deciduous and permanent teeth. Deciduous teeth predominated. At the beginning of the investigation the children ranged in age from two to fourteen years. All the children were living in institutions and were receiving basal diets of good nutritional quality. In each study there were control and test groups, the latter receiving additional sugar as part of the diet. In London the test group was given 22 oz. of sugar per week, a figure slightly higher than the estimated pre-war consumption for that young age group, and the control group 11 oz., which was rather less than their war-time and early post-war amount. In Liverpool and Sheffield, where the children were older, the control groups had the total amount then current in the homes, while the test groups had an additional 22 oz., bringing their total-37 oz. in Liverpool and  $41\frac{1}{2}$  to  $45\frac{1}{2}$  oz. in Sheffield—up to or above the estimated approximate pre-war level.

There was, as a whole, no evidence that additional sugar, white or brown, as administered in the investigation, resulted in any increase in caries in deciduous teeth. In general, there was actually in each centre an apparent tendency for a reduction in caries of the deciduous teeth in the groups taking additional sugar. In the London area the control group aged two to four years had a larger increased incidence and spread of caries during the test periods than the other children, and significantly larger than the white sugar group. Again, in the Liverpool and Sheffield groups combined, the molars of the controls aged seven to ten years showed a significantly greater increased incidence and spread of increased incidence and spread of caries than those of the corresponding sugar group for the one-and-a-half and two years' periods of observation. On two years' periods of observation. On the other hand, in the Liverpool chil-dren aged initially four to six years, the sugar group after two years showed a significantly greater increase in caries than the control group. While the permanent first molars of the sugar groups tended to show a slightly greater increase in and spread of caries than did those of the control groups, on balance the total figures available for those teeth did not disclose any consistently significant differences. In the Liverpool and in the combined

Liverpool and Sheffield studies the percentages of new carious molars in the seven- to ten-year-old children obseven- to ten-year-old children observed for only one year were significantly larger in the sugar groups than in the controls, but the spread of caries, expressed as the increase in the average caries figures (sum of the grade-of-caries figures divided by the total number of tests observed) was total number of teeth observed) was not significant. When Sheffield was not significant. When Sheffield was considered by itself, the opposite result was obtained. Again, in the combined groups of children aged eleven to fourteen years who were observed for one-and-a-half years, and in the Liverpool group observed for two years, the increase in the average caries figure of the sugar groups was significantly greater than that of the controls, whereas the percentages of new carious molars were not signifi-cantly higher. The findings for the cantly higher. The findings for the London group having brown (unrefined or semi-refined) sugar did not uphold the view that unrefined sugar contained some factor, lacking in the purified product, that tended to protect the teeth from caries.

#### **Biochemical Investigations**

In Liverpool, bacteriological and biochemical investigations saliva were undertaken. A lactobacillus count was made and the rate of acid production of whole saliva was measured. It was found that neither at the beginning nor at the end of a fifteenmonths' survey was there any signifi-cant difference between the sugar and the control groups, but the lactobacillus score had risen significantly in both groups. Again there was no significant difference in the rate of acid produc-tion between the sugar and control groups at either the beginning or the end of the survey, but the production rose significantly during the survey. The buffering capacity of the saliva in twenty-four comparable pairs of children was determined electrometrically using a Cambridge pH meter with glass electrode. It was found that during the eighteen months of the investigation there was a significant increase [with agel in the buffering capacity of the saliva, the increase being larger in the control than in the sugar group. The difference in the respective rates of increase of buffering capacity of the two groups was not significant. The corre-lation coefficients of buffering capa-city with the incidence of caries were not significantly different from 0. The coefficients were, however, both negative, which might suggest that the incidence of caries is associated with low buffering capacity

The authors conclude that "neither a high sugar nor a low sugar intake affected the teeth of children receiving diets which were adequate according to modern standards and contained liberal supplies of milk and cod-liver oil. It is clear, therefore, that the high refined-sugar content of 'civilised' diets, provided they are otherwise nutritionally good . . . is not necessarily harmful to the teeth. The investigation does not, of course, throw

any direct light on whether a more prolonged high local concentration of sugar on the tooth surface influences the carious process; nor does it show whether a high sugar diet in itself, if taken during the whole period of tooth formation, would affect the composition of the teeth. While the investigation does not prove that the sugar content of the diet, however distributed and however eaten, never affects the teeth, it certainly points to the practical conclusion that, provided a child is fed on a diet as good as that of the average children's residential institution in England, a substantial increase in the amount of sugar in the diet will not affect the child's liability to dental caries within a period of at least two years."

The report is published by H.M. Sta-

tionery Office, price 4s.

Commenting on the report, the British Dental Association has said that the report does not concern itself with the consumption of sugar between meals or with sweet eating. The Association therefore warned that "indiscriminate sucking of sweets and eating of sweet cakes are bad for children's

teeth."
Mr. G. J. Parfitt (head of the department of preventive dentistry at the University of London Institute of Dental Surgery) has said that the report makes no mention of previous investigations into the subject, except one by the Medical Research Council some years ago. In Sweden an investigation lasting six years showed conclusively that when sugar was given in the form of sticky toffees between meals there was a great increase in dental caries.

#### MARRIAGES

SIMPSON—HUNTER. — At Newlands South Parish Church, Glasgow, on May 2, Charles Ednam Simpson, M.B., Ch.B., to Margaret Riddell Hunter, B.Sc., M.P.S., 2 Millbrae Crescent, Langside, Glasgow.

#### **Golden Wedding**

LEE—PARR. — At St. Mary's Church, Lowdham, on April 27, 1905, William Lee,



William Lee, M.P.S., Nottingham, to Sarah Elizabeth Parr, Lowdham. Present address: The Vinery, Burton Joyce, Notts. Mr. Lee was for thirtyseven years with Boots. Ltd., until his retirement in 1940 at which time he was on

the executive committee of the parent company and a director of five subsidiary companies. He has been for seven years chairman of the Nottingham Executive Council and of the pharmacy advisory committee of Nottingham University.

#### BIRTH

BOYD.—At Belfast on April 21, to Mary, wife of William H. Boyd, M.P.S.N.I. (immediate past-president, Pharmaceutical Society of Northern Ireland), 363 Ormeau Road, Belfast, a daughter (Fiona Margaret).

#### DEATHS

BUTLER.—On May 3, Mr. Edwin Henry Butler, aged eighty-six. Mr. Butler was chairman of E. H. Butler & Son, Ltd., manufacturing chemists, Leicester. He had been associated with the drug trade since joining the firm over sixty years ago.

CAPPER.—On April 18, Mr. Edwin Arthur Capper, 7 St. Andrews Road, Wolverham, Ellesmere Port, Ches. Mr. Capper qualified as a chemist and druggist in 1927.

DICKINSON. — On April 17, Mr. Fred Dickinson, M.P.S., 165 Church Street, Blackpool, Lancs, aged sixty-

FORDHAM.—On April 14, Mr. Sidney Herbert Fordham, M.P.S., 4 Station Approach, Oxted, Surrey, aged seventy-nine.

GOODWIN.—On April 23, Mr. Percy Daniel Goodwin, M.P.S., 39 Somerset Road, Harrow, Middlesex, aged seventy-two.

JEWITT.—On March 27, Mr. William Mollison Jewitt, M.P.S., 19 Highbury Road, Darlington, co. Durham, and formerly 18 North Lodge Terrace, Darlington, aged seventy.

KEATING.—At St. John's hospital, Limerick, recently, Mr. Maurice Joseph Keating, L.P.S.I., Main Street, Rathkeale, co. Limerick. Mr. Keating qualified as a pharmaceutical chemist in Ireland in 1913.

MANSON.—At 26 St. Fillans Terrace, Edinburgh, on May 1, Mrs. Williamina Easson Manson, wife of Mr. James Manson, M.P.S.

MAURICE.—On April 29, suddenly, Mr. Frederick Maurice. Mr. Maurice was a director of Energen Foods Co.,

NICOLL.—At 8 Brisbane Street, Glasgow, S.2, on May 3, Mr. Thomas Nicoll. Mr. Nicoll qualified as a chemist and druggist in 1900.

PAGE.—At his home, 7 Clifton Park Road, Caversham, Reading, suddenly on April 30, Mr. William Irwin Page, M.P.S., aged eighty-seven. Mr. Page was a native of Boston, Lincs, but was in business in Reading from 1902 until his retirement in 1947.

SCOTT.—In a Dublin nursing home recently, Mrs. Kathleen Scott, wife of Mr. T. C. Scott, M.P.S.I., 234 Harold's Cross Road, Dublin. Mr. Scott is a member of Council, Pharmaceutical Society of Ireland.

SUTCLIFFE. — On April 23, Mr. William Sutcliffe, 13 Hawes Drive, Bradford, Yorks, aged seventy-nine. Mr. Sutcliffe qualified as a chemist and druggist in 1899.

WILLIAMS.—On April 21, Mr. Owen Thomas Williams, M.P.S., 58 Chiswick Road, Lower Edmonton, London, N.9, aged sixty-five.

#### **PERSONALITIES**

MR. BERNARD GILL, M.P.S., has contributed an article to the summer number of New Health.

MR. JOSEPH M. DOWTY (a member of the Pharmaceutical Society's



Council) has elected been chairman of Southampton Executive Council. Dowty was a member of the Southampton Na-tional Health Insurance Committee and has been member the Southampton Execu-

tive Council since its commencement. He was for ten years chairman of both the Southampton and Hampshire Pharmaceutical Committees.

MR. MALCOLM PEEL, M.P.S., was presented with a grandmother clock at the annual meeting of the Huddersfield Branch of the Pharmaceutical Society recently in appreciation of his services as secretary for the past ten years. Mr. Peel relinquished that office on being elected chairman of the Branch.

MR. WILLIAM DOIG, Newport, Fife, who retired on May 7, has been a chemist and druggist in the town for over fifty years. He served in the original branch shop of William Doig & Sons, opened in 1885. In 1900 the business was transferred to the present premises in Robertson Place, Newport. Mr. Doig is in his eightieth year.

MR. J. ARTHUR DEACON, M.P.S., Banbury (president of the Oxfordshire

Branch of the Pharmaceutical

Society) has been re-elected

an alderman of

the county of Oxford, and appointed chairman of the

Shop Acts committee,

also of the fire brigade commit-

COUN CILLOR G. G.

HAMMOND,

B.Sc., F.R.I.C., M.P.S., who has

Branch of the Pharma ceutica l Society, is the managing

director of Bradley &

Bliss, Ltd., manufacturing chemists,

Reading.

elected chairman of the R e a d i n g

and

and

Weights

tee.

been

Measures



Alderman J. Arthur Deacon



Councillor G. G. Hammond

### LEGAL REPORTS

" Passing-off"

In the Chancery Division, London, on April 29, in an action for "passing off" which was brought by Hughes Brushes, Ltd., Slough, in connection with an allplastic lavatory brush and holder, simiplastic lavatory brush and noider, similar in design to the company's Spik brush, recently on sale and manufactured by Rollrite Plastics, Ltd., Mr. Justice Upjohn made the following order by consent of both parties: That upon the defendants undertaking (1) to affix a label in a form already approved by the plaintiffs on all existing stocks; (2) to cease immediately the manufacture of the brush and holder in the existing design; and (3) to pay the plaintiffs £35 as agreed costs, the action be wholly discontinued.

#### **Doctor's Drug Offences**

A CLAIM that he had now cured him-A CLAIM that he had now cured nimself of drug addiction was made by a doctor, Reginald Glanvill, 66 Grayden Avenue, Chichester, Sussex, when he appeared at Clun, Salop, magistrates' court on April 21 on twelve charges under the Dangerous Drugs Acts. He admitted committing the offences admitted committing the offences while acting as locum tenens for another doctor at Clunbury. The offences were of unlawfully procuring, giving prescriptions, and failing to keep records. For the Director of Public Prosecutions, Mr. Prys Jones said that, from April to December 1954, Glanvill was acting as locum tenens for an-other doctor at Clunbury, and the offences were committed during that period. All the offences concerned one drug, Physeptone, a drug which he understood could give rise to addiction. It was alleged that Glanvill obtained quantities of the drug on a number of occasions on prescriptions that specified the names of patients. In fact, he had used the drugs to satisfy his addiction. In other cases he had, as a doctor, obtained quantities of the drug from a chemist at Craven Arms, but failed to keep a register. It had been Glanvill's custom to make out a prescription and collect the drug himself from the chemist, after paying the shilling National Health Service fee, instead of following the usual practice of allowing the patient to do that. On January 30, Glanvill was interviewed by a detective-superintendent. When asked if he was a drug addict he said: "No, not now." Told he was thought to have administered most of the drugs to himself, he replied: "I admit I have had some." replied: "I admit I have had some." He then made a complete statement. In it he said he had started taking drugs in 1947, after an attack of whooping cough, and became addicted to the practice. In 1949 he went to a clinic for a cure and was later discharged as cured. He started a practice in Lancing, Sussex, but had to give it up later owing to overwork. Since then he had been acting as locum tenens at various places. When he went to Clunbury he found the work arduous, and recommenced takwork arduous, and recommenced taking drugs. He was fined £10, ordered to pay £20 towards the costs of the prosecution. The magistrate also placed him on probation for two

## IN PARLIAMENT

BY A MEMBER OF THE PRESS GALLERY, HOUSE OF COMMONS

MR. IAIN MACLEOD (Minister of Health) told SIR G. LLOYD, in a written answer on May 3, that the cost to the Exchequer of the pharmaceutical services in England and Wales from July 5, 1948 to October 31, 1951 was £107·638 millions and from November 1, 1951 to March 31, 1955 was £144·260 millions. In Scotland comparative figures were £12·603 millions and £17·757 millions.

#### Shilling Charge Refunds

MR. E. MARPLES (Joint Parliamentary Secretary, Ministry of Pensions and National Insurance) told MR. W. W. HAMILTON, in a written answer on May 4, that the number of shilling prescription charges refunded in 1952 (June to December) was 333,000 (£16,650); in 1953 676,700 (£33,835); and in 1954 727,100 (£36,355).

#### Poliomyelitis Vaccine

MR. IAIN MACLEOD (Minister of Health) told MR. PETER FREEMAN, in a written answer on May 4, that a member of the Medical Research Council staff was going to America to get first-hand information on poliomyelitis vaccine. His report would be ready for study in Britain before the routine safety tests now being conducted on batches of vaccine were finished, and therefore before any of the proposed trials on children in Britain were due to begin. Meanwhile arrangements for the trials continued. There was no intention of inoculating any child unless the full consent of the parents had been first obtained.

#### Pharmaceutical Service Debated

During the second reading of the Consolidated Fund (Appropriation) Bill on May 4, Dr. EDITH SUMMER-SKILL asked the Minister of Health whether, having regard to the hardship that it imposed and the administrative burden that it entailed, the shilling prescription charge should be con-She understood that millions was spent annually on drugs, 30 per cent. of it on proprietaries. She found it difficult to understand how the Minister could allow that huge sum to go to swell the large profits of the big drug houses. He should refuse to sanction unnecessary expenditure in prescribing when there was a satisfactory alternative. The only people who would object were the hypochondriacs and the people in big business who were making those colossal profits. Mr. IAIN MACLEOD (Minister of Health) said that Dr. Summerskill was suggesting that he should tell a doctor that he must not prescribe something that he thought was best for a patient. Mr. J. Griffiths said that one of his constituents who had asthma had believed that a certain proprietary medicine was the best for him. He had been receiving it on a Health Service prescription; then it was stopped. The Minister had told him (Mr. Criffith) that is her had told him (Mr. Griffiths) that it had been stopped because it was thought that other prescriptions would be of equal value for the patient. Mr. MACLEOD pointed out that it had been suggested to doctors that certain asthma preparations were not of proven therapeutic value, but if a doctor still decided that those should be prescribed it was legitimate for him to do so. Dr. Summerskill said that on that question the doctor had probably a right to prescribe a proprietary asthma preparation because he was prescribing for a nervous patient who had faith in a particular drug. Summerskill went on to ask why the average cost of prescriptions was much higher in areas like Bournemouth and Hampstead than in the East End or the industrial areas of the Midlands. She suggested that the answer was that the former knew much more about proprietary drugs. The doctors were deluged every week with advertise-ments of proprietary drugs. The Mini-ster did not quite know what his policy was or what it should be. The policy was quite clear. Obviously there was a was duffer clear. Ovvlously filere was a satisfactory alternative—in the case quoted by Mr. Griffiths it was not satisfactory. Mr. Macleod said that if a doctor chose to go against advice he would not be surcharged for it. It was possible-and that was a different point—that his prescribing as a whole might be looked at, and one element might be the over-prescribing of one particular drug. The point was that it was wholly within a doctor's discretion to prescribe a particular drug even though it had been suggested by the Cohen Committee and by the Minister that on the whole it was inadvisable to do so. Mr. C. L. Hale asked whether the Minister made it clear when he wrote to doctors not to pre-scribe a drug that they could do so if they thought fit. MR. MACLEOD said that that was made clear. The cost of proprietary medicines was £24 millions. Many of the greatest discoveries had been made by private firms and were, in fact, proprietary medicines. Among those successes the antibiotics were the obvious example. The pharmaceutical industry had a very important export trade. He was very important export trade. in close touch with the Association of British Pharmaceutical Industry and between them they were working out formulas to enable a satisfactory guide on suitable profits to be arrived at.

MR. G. M. THOMSON said that there had been some anxiety in Dundee recently when a number of doctors had been disciplined because their prescribing was thought to be above the general average. That arrangement had a number of undesirable aspects which the Minister of Health and the Secretary of State for Scotland might well look into. No regulations were laid down for the amount of fines that should be imposed.

#### Flour Extraction Rates

MR. HEATHCOAT AMORY (Minister of Agriculture, Fisheries and Food) told MR. D. G. BULLARD, in a written answer on May 5 that he had decided, in conjunction with the Secretary of State for Scotland and the Minister of Health, to arrange for an independent

authoritative review of the scientific and medical evidence now available of the differences in the composition and nutritional value of flour of varying extraction rates. At his request Lord Adrian (president of the Royal Society) had nominated the following panel:—Professor Sir Henry Cohen (professor of medicine, Liverpool (chairman)); Professor L. J. Witts (professor of clinical medicine, Oxford); Professor J. H. Gaddum (professor of materia medica, Edinburgh); Mr. A. C. Chibnall (formerly professor of biochemistry, Cambridge); and Professor R. A. Morton (professor of biochemistry, Liverpool).

#### Food Ministry Functions

SIR ANTHONY EDEN (Prime Minister) told MR. DOUGLAS JAY on May 5 that an order to transfer to the Minister of Health the responsibility for food cleanliness and hygiene (except as regards slaughter-houses, meat, and milk) and for the Food Hygiene Advisory Council was being prepared. He thought that it would be for the convenience of the House if it were introduced as early as possible in the new Parliament.

#### Merchandise Marks

MR. PETER THORNEYCROFT (President of the Board of Trade) told MR. R. S. RUSSELL on May 5 that he was considering the views of Commonwealth and Colonial Governments about the withdrawal of the option under the Merchandise Marks Act, 1926, which allowed imported goods, which were required to be marked, to bear the words "foreign" or "Empire" instead of the name of the country of origin.

#### Tariffs and Trade Agreement

MR. PETER THORNEYCROFT (President, Board of Trade) told MR, PHILIP BELL on April 19 that the Government were reaffirming their adherence to principles and objectives of the the General Agreement on Tariffs and Trade and that they proposed to sign the protocols of amendments and the agreement on the Organisation for Trade Co-operation (C, & D., March 26, p. 345). It was the view of the Government that legislation should be introduced to permit the imposition of countervailing and anti-quipping duties. The Government would not accept the obligations of the Agreement towards Japan, but they were anxious to put the country's commercial relations on a more permanent footing and they were inviting the Government of Japan to negotiate for a long-term commercial treaty.

#### **OVERSEAS VISIT**

MR. ALAN C. H. CAIRNS, B.A., B.Sc., A.R.I.C. (chemical sales director, Joseph Crosfield & Sons, Ltd.), Warrington, leaves by air on May 20 for a tour of the United States and Canada. The tour will extend over some seven weeks during which time Mr. Cairns will visit some of the many companies with whom Messrs. Crosfield have friendly relations.

#### **NEW COMPANIES**

P.C. = Private Company: R.O. = Registered Office.

ALEC H. JOHNSON, LTD. (P.C.).—Capital £2,000. To carry on the business of chemists and druggists, opticians, etc. Directors: Alec H. Johnson, M.P.S., and Margaret Johnson. R.O.: 76 Yorkshire Street, Burnley, Lancs.

J. M. SKIPP (KENT), LTD. (P.C.).
—Capital £4,000. To carry on the business of chemists, druggists, opticians, etc. Directors: James M. Skipp and Walter Widdowson, M.P.S. R.O.: 6 Ranmore Path, St. Mary Cray, Kent.

BROADWAY PHARMACY (TRE-FOREST), LTD. (P.C.). — Capital £1,000. To carry on the business of chemists, etc. Subscribers: Joseph A. Cava and Marjorie Evans. Solicitors: Hugh-Jones & Co., Cardiff.

ALCOHOLS, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in methylated spirit. Directors: William R. Wallis and Albert E. Young. R.O.: Liverpool House, Eldon Street, London, E.C.2.

F. H. HOWARTH, LTD. (P.C.).—Capital £5,000. To carry on the business of chemists and druggists, etc. Directors: Frederick H. Howarth, M.P.S., and Ida Howarth. R.O.: 572 Burnely Road, Crawshawbooth, Rossendale, Lancs.

CLEGG & KITCHEN, LTD. (P.C.).
—Capital £9,000. To acquire the business of a pharmaceutical chemist carried on at 1 St. Mary Street, Weymouth, Dorset. Directors: Adelaide M. Branch, M.P.S., and Richard R. C. Kitchen, M.P.S.

G. A. PITT (CHEMISTS), LTD. (P.C.).—Capital £100. To provide locum tenentes for pharmacists, and to carry on the business of chemists, etc. Directors: George A. Pitt, M.P.S., and Edith Pitt. R.O.: 23 Bear Street, Hayon-Wye, Hereford.

D. & J. HUGHES (CHEMISTS), LTD. (P.C.).—Capital £5,000. To carry on the business of chemists and opticians, ctc. Directors: George H. F. Hughes, Donald L. Hughes and Jane Hughes, M.P.S. R.O.: 17 Cross Street, Birkenhead

BISHOP (CHEMISTS), LTD. (P.C.).—Capital £7,500. To carry on the business of chemists, etc. Directors: Thomas Bishop, M.P.S., Bernard J. Ducker, Helen P. Bishop and Alex W. Thompson. R.O.: 14 High Street, Thames Ditton, Surrey.

DIXON LANE CHEMISTS, LTD. (P.C.).—Capital £500. To carry on, either wholesale or retail, the business of chemists, herbalists and seedsmen, etc. Directors: Morris Hunterman, M.P.S., and Gerald Price. R.O.: 25 Albion Place, Leeds, 1, Yorkshire.

ASSOCIATED BIRKENHEAD CHEMISTS, LTD. (P.C.). — Capital £10,000. To carry on the business of chemists, opticians, chiropodists, etc. Subscribers: Robert J. Price and Arthur Broadwell, M.P.S. R.O.: 44 Hamilton Square, Birkenhead, Cheshire.

GRATTAN'S (NORTHERN IRE-LAND), LTD. (P.C.).—Registered in Belfast. Capital £10,000. To carry on the business of manufacturers and importers of chemical products, mineral and aerated waters, cordials, etc. Directors: Victor Grattan, M.P.S.N.I., and Thomas J. Grattan. R.O.: Windsor Avenue, Lurgan.

ABBEY CHEMICALS, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in chemicals, etc. Subscribers: B. E. Mileham and N. C. Kyle Hennay. The first directors are to be appointed by the subscribers. Solicitor: B. E. Mileham, 1 New Oxford Street, London, W.C.1.

DIVA LABORATORIES (GREAT BRITAIN), LTD. (P.C.). — Capital £10,000. To carry on research in the field of pharmaceutical, medical, chemical and cosmetic industries, etc. Subscribers: George Winter and A. K. H. Dickson. Directors are to be appointed by the subscribers. Solicitors: Wigram & Co., 9 Queen Street, London, W.1.

KEEGAN DYESTUFFS & CHEMICALS, LTD. (P.C.).—Capital £20,000. To carry on the business of oil and colour men, importers and manufacturers of and dealers in chemicals, etc. Directors: Joseph P. Keegan, Brian B. Keegan, B.A., Oxon., Francis J. Keegan, B.A., Cantab., John E. A. Davis, John E. Gunn and Thomas Loughlin. R.O.: 114 Garnett Street, Bradford, Yorks.

OMENO PRODUCTS, LTD. (P.C.).—Capital £100. To carry on the business of chemists and druggists, manufacturers of and dealers in pharmaceutical and other preparations, etc. Directors: Margaret P. Redmond, Anthony P. Redmond and Shirley D. Redmond, all of 15 Upper Wimpole Street, London, W.1. R.O.: Eastlands, Rectory Lane, Woodmansterne, Surrey.

## Company News Previous year's figures in parentheses

J. & E. ATKINSON, LTD. — Net profit, after tax, for 1954, is £28,161 (£30,337).

ETHICON SUTURE LABORATORIES, LTD.—Mr. L. A. Bailey has been appointed a director until 1958.

ALBRIGHT & WILSON, LTD.— An issue by way of capitalisation of reserves of one ordinary share for every two ordinary stock units held is proposed, Treasury consent having been given.

TIMOTHY WHITES & TAYLORS, LTD.—Mr. G. I. Rushton, M.P.S. (managing director), has been appointed chairman of the group in succession to Mr. L. Nicholas who has retired. Mr. Nicholas retains his seat on the board, but Mr. J. J. Sainsbury has retired and Mr. K. G. Lyon has been appointed to the board.

AGRICULTURAL FOOD PRODUCTS, LTD. — The chairman (Mr. H. C. H. Graves) is to undertake fultime administrative control of the company and of its allied company, All Purpose Foods, Ltd. Mr. Graves will devolve for the time being, as he may consider necessary, his present executive responsibilities in respect of the parent company, Vitamins, Ltd.

BRITISH XYLONITE CO., LTD.—In his review issued with the accounts for 1954, Mr. C. F. Merriam (chairman) reports that group sales increased by over 20 per cent. and that net profits at £360,726 were more than double the previous year's figure of £177,954. Net profits after outside interests amounted to £231,283 (£159,795), while the total dividend is 11 per cent. (10 per cent.).

BOOTS PURE DRUG CO., LTD.—A final dividend on the ordinary capital for the year ended March 31 is 17½ per cent. (12½ per cent.), making a total of 27½ per cent. for the year (22½ per cent.). Group profits, subject to audit, before tax, are £4,214,758 (£3,116,451); U.K. tax, £2,252,608 (£1,874,420); net profit of parent company, £1,635,844 (£996,650). In view of the successful year's trading the directors have decided to pay a bonus of one week's salary to all staff in the home companies who satisfy certain conditions as to service. The necessary provision has been made in arriving at the profits shown above.

Voluntary Liquidation

A. H. DEE, LTD., R.O: 41 King William Street, London, E.C.4. Liquidator: Mr. R. P. Booth, 14 Holborn Viaduct, London, E.C.1.

EDMUND GARSIDE & CO., LTD., chemical manufacturers and wholesalers. R.O.: Ashworth Street, Denton, Manchester. Liquidator: Mr. A. T. Eaves, 47 Mosley Street, Manchester.

#### **BUSINESS CHANGES**

THE telephone number of Mr. W. A. C. Attwood (a representative of Meggeson & Co., Ltd.) has been changed to Tottenham 0270.

THE pharmacy owned by Mr. D. Sutherland, M.P.S., trading as Thomas Wade, 36 Cheyne Walk, London, S.W.3, closed down on May 7. Inquiries will be dealt with from 80 Buckingham Gate, London, S.W.1.

MR. A. RAYNER, M.P.S., and Mrs. M. Rayner, M.P.S., have acquired the pharmacy formerly owned by Mr. G. G. F. Bell, M.P.S., 51 Moulsham Street, Chelmsford, and will trade as A. & M. Rayner.

**Appointments** 

COW & GATE, LTD., Guildford, Surrey, have appointed Mr. D. Grant their representative in Northern Ireland and Eire.

RADIOL CHEMICALS, LTD., 78 Upper Richmond Road, London, S.W.15, have redistributed their salesmen and appointed Mr. G. J. Stothard to the Manchester area.

JOHN RICHARDSON & CO., LEICESTER, LTD., have appointed Mr. M. H. Pollard their medical representative for the Midlands and Mr. E. Bakewell chemists' representative for Warwickshire and Staffordshire.

LEDERLE LABORATORIES DIVISION, CYANAMID PRODUCTS, LTD., Bush House, London, W.C.2, have appointed Mr. J. H. Taylor, M.R.C.V.S., their veterinary adviser. Mr. A. P. Irwin has been appointed assistant to the sales manager.

#### NEW PRODUCTS AND PACKS

Nasal Solution with Antihistamine.
—At the request of medical men,
Bayer Products, Ltd., Neville House,
Eden Street, Kingston-on-Thames, Surrey, have introduced Neophryn with
antihistamine (Neophryn with thenyldiamine hydrochloride). Neophryn
without antihistamine remains available.

"Easy-to-handle" Bottle. — Pears Gloria shampoo is in a shaped, "easy-to-handle" bottle in a size equivalent to seven shampoos. The selling agents are D. & W. Gibbs, Ltd., Portman Square, London, W.1.

Make-up Base to User's Colour.— The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, have produced a new foundation-cream pack, "per-



sonal blend," to make it easy for the user to blend her own desired shade of make-up base at the moment of use. The pack, as illustrated, contains three bottles: one of light, one of dark foundation cream, and a third without contents for the blending. Blending in the palm of the hand may be preferable for small quantities for special occasions under particular lighting.

Retractable Ball-point Pen. — The Zing Pen Co., Ltd., Rainsford Road, London, N.W.10, recently put on the market a ball-point pen claimed to be "the ball-point of the future—now," and the cheapest retractable ball-point



pen yet available in any country. The new Zing is available in a wide range of colours. It has no refill because a new pen costs only the price of a refill. In an initial sales campaign in the Greater Manchester area the results were so successful that the pen is being launched nationally later this month. Orders may be placed through wholesalers.



NOW IN CARTON
Minadex is now being packed by the
manufacturers, Glaxo
Laboratories, Ltd.,
Greenford, in a carton. The carton gives
greater protection to
the bottle and introduces a bright colour
scheme (maroon and
stone).

An Additional Shade.—The makers of Majic concealing cream for shadows, blemishes, etc., Ashe Laboratories, Ltd., Ashetree Works, Kingston Road, Leatherhead, Surrey, have added a second shade: medium tan (for olive complexions and summer-tan skins) to the natural which was previously the only colour available. The two shades will cater for all types since Majic is applied before make-up.

Personal Weighing Machine.— Shown recently at the British Industries Fair, the Mayfair personal weighing machine introduced by George Salter & Co., Ltd., West Bromwich, has



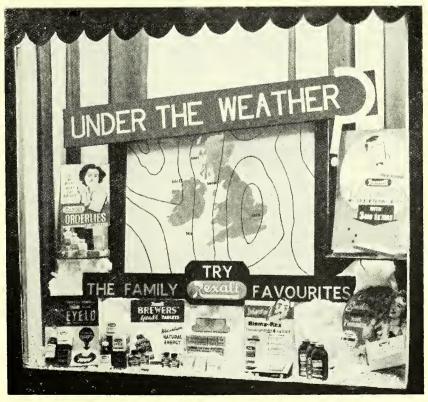
a moulded platform in mottled black and white or green and white rubber on a white base. The rubber platform prevents slipping and is easy to keep clean. The revolving dial has a magnifying lens for easy reading. Each machine, which weighs 12 lb., is packed in a strong carton when dispatched from the manufacturers.

## WINDOW DISPLAY PRIZEWINNERS

Results announced in Rexall spring contest

THE Spring 1955 window display contest for the Rexall products of the United Drug Co., Ltd., Loughborough, Leics, was judged on May 2. Principal prizewinners in the contest were:—First (£100): Nigel Gerrard, F.P.S., 18 Seaview Road, Wallasey, Ches. Second (£50): Hugh Baird, M.P.S., 253 Castlereagh Road, Belfast, Northern Ireland; R. H. Evans, 50 Portland Road, West

Bridgford, Nottingham; and Francis & Co. (Wrexham), Ltd., 18 Town Hill, Wrexham. *Third* (£30): Ralph Cuthbert, Ltd., 10 Westgate, Huddersfield; R. W. Harrison, M.P.S., 81 Ulleswater Road, Lancaster; W. T. Hind, 78 Queen's Road, Leicester; and S. Robinson, 19 Broad Street, Blaenavon, MonThere were also five fourth prizes of £10 and eleven fifth prizes of £5 each.



First prizewinning display in Rexall spring contest.

## TRADE NOTES

Holiday Closing. — The works of Howards of Ilford, Ltd., Ilford, will be closed from Friday evening July 15 to Tuesday morning, August 2.

Available in Sachet.—From June 1, Silvikrin cream shampoo is being made available in sachets. The makers are County Laboratories, Ltd., County Building, Honeypot Lane, Stanmore, Middlesex.

Competition Prize-winners.—In a "winning phrases" competition organised by the personal products division of Johnson & Johnson (Great Britain), Ltd., the three winners were Miss J. Adam (Isaac Benzie, Ltd., 143 George



Street, Aberdeen); Miss M. J. Hodgson, 25 Temple Hill Square, Dartford, Kent; Miss A. D. H. Williams, S.R.N. (Boots, Ltd., Oxford Street, Swansea, Glam.). The three girls, and the manager of each shop, win a fortnight's holiday in Ostend, Belgium, with family or friend, including free first-class travel, hotel accommodation, food and entertainment, and £50 spending money. Picture shows judging in progress.

Discontinued. — Genatosan, Ltd., Loughborough, Leics, announce that their dermatological cream No. 11 has been discontinued and warehouse stocks of all sizes are sold out. In its place dermatological Sebbix is available in 1-oz. tubes for all dispensing purposes.

Call For Tenders.—The Export Services Branch, Lacon House, Theobalds Road, London, W.C.1, announces that the Grecian Ministry of Finance is inviting tenders for sterilisers, x-ray accessories, ophthalmic apparatus, etc. Details are given on form TEN/13680 obtainable from the Branch.

Correction to Advertisement. — In the advertisement of the Halex divi-

sion of the British Xylonite Co., Ltd., Highams Park, London, E.4, elsewhere in this issue, the reference numbers below the illustrations of the Halex tooth-brush dispensers have been inadvertently transposed. The upper dispenser is No. 9621 and the lower No. 9620.

Now Film-coated. — Abbott's Di-Paralene ("longer-acting antihistamine of low toxicity") is now being issued as Filmtabs in bottles of twenty-five, 100 and 500. The Filmtab is an exclusive Abbott presentation, the tablets having a special film coating to mask the bitter taste of the chloryclizine hydrochloride. The manufacturers are Abbott Laboratories, Ltd., 3 Wadsworth Road, Perivale, Middlesex.

Horticultural Showcards. — Now being sent to all stockists of Eureka horticultural products by the makers, Tomlinson & Hayward, Ltd., Lincoln, the showcards (foot of column) are printed in full colour by the photolitho process, Plastine-covered for ease of cleaning, and strutted for use on counters or in windows. Each is 11 in. deep and 8 in. wide.

Carpet Cleaner. — After market research all over the country, the manufacturers of Dylon Mothmaster are revising the selling policy to lay the emphasis on the carpet-cleaning, rather than the moth-proofing charac-



teristics of the product. Dylon Mothmaster carpet cleaner was recently awarded the seal of the Good Housekeeping Institute. The manufacturers, Mayborn Products, Ltd., Dylon Works, Berryman's Lane, London, S.E.26, have also recently produced for their Dylon carpet dyes the counter-display box illustrated.



Left: Dylon carpet cleaner. Right: Loxene medicated shampoo (see C. & D., April 9, p. 389).

Edinburgh Medical Exhibition.—By an error, a section of the report on the Edinburgh Medical Exhibition (C. & D., May 7, p. 504) was not published. The products described in the missing lines were the following:—

HIBITANE (Imperial Chemical Industries, Ltd.). An antibacterial agent available as obstetric and antiseptic creams, each containing 1 per cent. of the diacetate of bis-p-chlorophenyldiguanidohexane. Has a wide range of activity against gram-positive and gram-negative bacteria, and a low toxicity, both oral and local. Compatible with antibiotics and sulphonamides.

EFCORTELIN injection (Glaxo Laboratories, Ltd.). A sterile suspension of hydrocortisone acetate in normal saline (25 mgm. in 1 c.c.). Used by intra-articular injection in rheumatoid arthritis and osteo-arthritis. Now being manufactured in Montrose; supplies no longer entirely dependent on the United States. Available only to hospitals.

POLIVIRIN (Glaxo) poliomyelitis vaccine.

LERGINE compound (Burroughs Wellcome & Co.). Tricyclamol chloride with the addition of gr. ½ of phenobarbitone. The compound product is preferred where there is associated tension in peptic ulcer and sedation is desirable.

#### **Bonus Offers**

ABBOTT LABORATORIES, LTD., 3 Wadsworth Road, Perivale, Middlesex: Selsun. Twelve bottles for price of eleven on all orders of one dozen 2-oz. bottles placed before June 30.

THE CROOKES LABORATORIES, LTD., Park Royal, London, N.W.10. Counter "dispenser" with every initial bonus parcel (twelve bottles with seventy-two 1-oz. and 4-oz. size) of Lacto-calamine.





Above: Horticultural showcards by Eureka, Ltd. (see paragraph on this page). Left: Show material for Chilton home hair clipper and Kub electric shaver (Chilton Electric Products, Ltd., Hungerford, Berks).

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

## FINANCIAL STATEMENT SATISFACTORY

'Increased expenditure deliberately planned and "not excessive"

THE financial statement for 1954 should be considered satisfactory, said MR. W. S. HOWELLS (treasurer of the Pharmaceutical Society), presenting the statement at a meeting of the Council of the Society in London on May 3. The Society had the necessary new income, said Mr. Howells; the increased expenditure had been deliberately planned and was not excessive. The publications, taken together and over a period of years, were more than covering their costs. The drain on the Premises Fund had been checked, he hoped, and replacement had set in. The new income, wisely apportioned, should enable all reasonable requirements to be met while replenishing the building reserves and maintaining stability in the General Fund. In the department of benevolence there was increasing support, which left no doubt that the generosity of members would enable all requirements to be met. Calling attention to some of the principal features of the statement, Mr. Howells pointed out that the increases of £68,949 in income and of £36,962 in expenditure were mainly accounted for by the higher member's fee and the resultant expansion of expenditure, and by the publication of a new edition of the British Pharmaceutical Codex. The fact that examina-tion fees cost £1,820 less, while expenditure on examinations was £2,085 more, was explained by the inclusion of an extra £2,139 under the head of printing, which concerned a large item for wartime printing, the account for which could not be obtained until 1954. The increase of £1,722 in the cost of the library included £850 for modernisation of fittings and £340 for furniture. A decrease of £399 in museum expenditure was because in the previous year there had been expenditure on laboratory development. In accordance with Council policy, there had been more widespread support of teaching institutions and individual research workers, the grants to schools of pharmacy (£7,000) being £1,500 more than in 1953, and grants for scholarships and research (£5,066) being £1,618 more. The increase of £1,925 in the Law Department included the inspectorate, prosecutions, and the expenses of the Statutory Committee.

#### Organisation Expenditure Up

The increased expenditure on organisation (£1,353) was to be expected with the development of more frequent consultation with the Branches. The expenses of Representatives' meetings had increased by £1,089, speakers' travelling expenses by £302, and grants to Branches by £763. Conference expenses were £870 less than in 1953. Sales of the British Pharmaceutical Codex exceeded expenditure by £21,908; improvements in the Society's journal had cost nearly £20,000, resulting, notwithstanding an improved revenue, in a net deficit of £10,859, against a surplus over direct charges of £4,667 in 1953. There was a surplus on publications other than the Codex and the journal of a little over £2,000. The extra amount received from members' fees had been mostly absorbed by improvements, and the surplus on the General Fund (£26,042) might be considered as arising substantially from the Codex surplus, which would be needed for financing editorial work on future editions of the scientific publications.

The Premises Fund established to provide a new headquarters building had been increased in 1954 by only the amount of interest on investments (£11,109). No transfer from the General Fund had been possible, though £5,000 of the £30,000 borrowed from the Premises Fund in previous years had been repaid. He hoped it would now be found possible to continue those repayments and to resume the allocation of £15,000 a year towards the new building. With building costs continuing to rise, the provision of new headquarters was bound to entail heavy expenditure.

MR. J. M. Dowty reported that, at a meeting of the Tunbridge Wells Branch which he had attended recently, a letter from Mr. A. E. Hobbs had called attention to the unsatisfactory state of the tombstone over the grave of Jacob Bell (founder of the Society) in the old cemetery close to Woodbury Park Road, Tunbridge Wells. Mr. Dowty presented for the Council's inspection a photograph of the grave, taken on an occasion in the past when local pharmacists had visited the cemetery and placed a wreath on the grave. It was decided to make further inquiries, reporting to the Council and later to the Tunbridge Wells Branch.

Consideration of replies to the Council's inquiry to Branches into the likely demand and support for the proposed old people's home was deferred for one month to

allow time for further replies.

A report on the teachers' course organised by the Ministry of Education and the Society at Cranfield, in April, showed that eighty teachers had attended (eighteen from universities and sixty-two from technical colleges). The Council approved the Education Committee's recommendations as to the persons to be invited to serve, with the president and the chairman of the Education Committee (Mr. C. W. Maplethorpe), on the recommending committee for 1955 for the Society's research awards. The president, chairman of the Education Committee and Professor A. D. Macdonald were appointed the Society's representatives on the adjudicating committee for the Wellcome pharmaceutical fellowship award for 1955. It was reported that Mr. J. F. Stevens, Aldeburgh, had accepted an invitation to serve as the Society's representative on the advisory committee for science of the county borough of Ipswich.

#### Examination Results

The Committee had noted matters mentioned by Mr. Bloomfield at the April Council meeting (see C. & D., April 16, p. 436) and had decided to survey teaching staffs in schools of pharmacy so as to ascertain the extent of and reason for shortages of such teachers. Reports on the Intermediate examinations held in April 1955 were received. In England and Wales, out of fourteen first entrants six passed, four failed, and four were referred; of twenty reentries, five passed, ten failed, and five were referred. For a referred subject there were fifty-three entries. Twentyseven passed, twenty-six being again referred. In Scotland there were six first entries, of whom four passed. Of fourteen re-entries, two passed, nine failed, two were referred and one was absent. Twenty-four candidates entered for a referred subject; eighteen passed, six being again referred. In the examination for the Diploma in Biochemical Analysis fifteen candidates had passed and four failed. Authority was given to sealing the diplomas of successful candidates.

The Franco-British Pharmaceutical Commission reported that the French lecturers who were touring Great Britain were Professor Truhaut, of the Faculty of Pharmacy, University of Paris, and M. Auguste Manchec. They would visit Portsmouth, Plymouth, Bristol and London between May 16 and 23, and would be accompanied by Mr. H. B. Mackie. Professor Truhaut would speak on "Phytopharmacy" and M. Manchec on "The Rôle of the Pharmacist in Industry." With the approval of the Society's Education Committee, the Commission proposed to increase by £50 for the remainder of 1955 the grant to the British research student now at work in Paris under the auspices of the Commission, and to make the 1956 grant £500. The Council concurred.

The Benevolent Fund and War Aid Committee's report showed that grants amounting to £93 had been made to three widows. Grants amounting to £403 to five other widows were approved. One application was deferred. In two special cases additional grants amounting to £102 4s. 11d. were made, and it was decided to continue a contingent temporary grant of £5 weekly. Payment was authorised to one patient of nursing-home expenses for four weeks at a cost of £34. From the War Aid Fund one grant of £156 was made.

Hounslow Branch was giving to Birdsgrove House in memory of the late Mr. W. H. Bowden an easy chair costing not more than £25. Gifts of £17 17s. from Preston Branch; £15 from the Denbighshire and Flintshire Pharmaceutical Committee; £50 from Southampton Branch; and £105 from Portsmouth Branch had been received. Northampton Branch had made a further contribution of £17. The warden reported that in the month to April 16 there had been fifty-five guests for an aggregate of seventy-one weeks, against twenty-seven guests and thirty-nine weeks in the corresponding period of 1954.

The curator's report stated that a special exhibition of some nineteenth century materia medica cabinets had been

arranged in the museum. On the recommendation of the Establishment and Publications Committee, the selling price of Volume II of the Extra Pharmacopæia, twenty-third edition (publication date September 19) was fixed at 57s. 6d.

It was decided to make representations to the Home Office about stocks of and the dispensing of prescriptions for diamorphine after December (when the ban on manu-

facture and import takes effect).

Twenty persons were reported registered as students in April, making 194 in the current year, against 185 at the corresponding date in 1954. Ten pharmacists formerly resident overseas were registered under reciprocity arrangements, and one name was to be added on submission of the required documents. The names of nine former members were restored to the register.

The Finance Committee's report recommended and the Council approved payments by the secretary totalling

£3,859 and by the treasurer totalling £27,223.

In March the Society's inspectors and agents visited 980 authorised sellers, 518 listed sellers, and 390 drug-store proprietors and similar traders. Five cases of alleged infringements of the Pharmacy Acts were considered.

## Annual report of the Council

THE report of the Council of the Pharmaceutical Society for 1954 was issued recently. Items from the report are summarised below:—

The number of persons registered as students was 921, compared with 840 in the previous year. The total number of names on the Register of Pharmaceutical Chemists at the end of the year was 26,564, an increase of 197. Pharmacists registered in accordance with reciprocity agreements and the Medical Practitioners and Pharmacists Act, 1947, accounted for 128 additions. The number of pharmacists acting as superintendents to bodies corporate was 3,211 at the end of the year (an increase of fifty-two). The Register of Premises shows that 15,313 sets of premises were registered under section 12 of the Pharmacy and Poisons Act, 1933 (an increase of sixty-four). 4,153 branch shops were registered under section 1 of the Pharmacy and Medicines Act, 1941 (an increase of seventy-five).

#### Examinations and Training

The total number of entries for the Intermediate examination was 834; 371 candidates passed. The corresponding figures for the Pharmaceutical Chemist Qualifying examination were 1,141 and 578 respectively. There were eleven entries for the Diploma in Biochemical Analysis and seven passed.

The Wellcome Trustees allocated a further sum of £10,000 for Wellcome pharmaceutical research fellowships during the next ten years, of which not more than £1,200 may be spent in any one year without special authority of the Trustees.

The vacation course for teachers in schools of pharmacy held during the Easter vacation, at the College of Aeronautics, Cranfield, was attended by seventy-three teachers, fifteen from universities and fifty-eight from technical colleges.

It was decided to make the fee for re-entry for two subjects in the Qualifying examination six guineas and for all subjects ten guineas. A late entry fee of three guineas was introduced and the local fees discontinued.

On the subject of conditions for the reciprocal recognition of qualifications correspondence was opened with the registering authorities in the Dominions. The Council suggested that reciprocity should be based upon a three-year full-time academic course and a period of practical study.

The Education Committee decided in December that the Society's educational policy should be re-formulated and a special subcommittee was appointed for the purpose. Grants for educational and scientific purposes were made to a number of schools of pharmacy and individual workers. The extent to which facilities exist for unsuccessful candidates to do revision work in schools of pharmacy was investigated and it was found that although revision courses were not held, in the majority of schools suitable provision was made for former students. Variations between the percentage of passes in biology and pharmacognosy respectively in the Society's examinations in England and Wales and in Scotland led to the appointment of subcommittees consisting of two teachers and two examiners in each of those subjects to investigate the position.

No new Branches were established during the year, the number remaining at 143. The terms under which Branch grants were made were varied by incorporating in the main grant the additional sixpence a member, paid on evidence of sufficient activity of a Branch, by discontinuing the need to justify that payment; the making permanent of the provisional additional payment of 25 per cent. and the addition of threepence making a uniform grant of 4s. a member.

The setting-up by the Minister of Defence of a committee to review the arrangements for providing medical and dental services for the Armed Forces offered an opportunity to the Society once again to present the case for reforms in the pharmaceutical services of the Army, Navy and Air Force. Written evidence was submitted together with an offer to give verbal evidence. The Society was informed that it was unlikely that the ancillary services would be considered until later in the year.

The School of Pharmacy was due to begin to transfer to its new building in Brunswick Square at Easter 1955, but it was not expected that the move would be completed for several years. The situation remained unchanged so far as the prospects of a new headquarters building were concerned.

#### Increased Income

The income of the Society from all sources was £289,729 (an increase of £56,991) and the expenditure £249,998 (£29,446). The amount received from members' registration and retention fees was £37,373 more, due to the increased fee, and from premises registration and retention fees £199 more. Examination fees were £1,820 less and registration fees as apprentice or student £336 more than in 1953. Grants made to schools of pharmacy amounted to £7,000, and expenditure on scholarships, scholarship examinations, and research grants to £5,066. Examinations cost £2,085

more, the museum £399 less, and the library £1,722 more. The law department expenditure was £1,925 more, the income from sales of the Register, penalties, fees and inspections £443 more. The net cost of the law department was £1,938 more than in the previous year. Organisation expenditure increased by £1,353 net, the principal increases being representatives' meetings £1,089, grants to Branches £763, and speakers' travelling expenses £302. Under "head-quarters maintenance," repairs cost £1,167 less; rent, rates, etc., £339 more; other maintenance expenses £154 more, and wages £102 more. The total cost was £455 less than last year. Administration expenses were £123 more; Scottish Department £713 less. Miscellaneous expenditure was £4,304 more.

The net surplus from all publications, apart from the Register, was £12,537 against £3,347 in 1953. With the increased membership fee there resulted a surplus of £26,042 of which £26,000 was placed to General Reserve. The Premises Fund loan to the General Fund was reduced by £5,000, and, with interest, the total of the Premises Fund was increased to £432,439. The Parliamentary Fund subscriptions were £444 against £498 in the previous year, and no grants were made. At December 31, the Fund amounted to £4,280, all at short call.

In the Benevolent Fund the Edinburgh and Mayfield properties were further developed, and the estates were well maintained. Subscriptions, donations and deed payments to the Benevolent, Birdsgrove House, and Orphan Funds increased by £802. The Birdsgrove House Fund income was only £65 less than the expenditure, and no grant

was necessary from the Benevolent Fund.

The modernisation of the library was completed during the year.

In the museum, further additions have been made to the three divisions of herbarium, materia medica and historical objects. A silent exhibit entitled "Pharmaceutical Products Employed in the Health Service" has been produced. In the museum experimental ground at Birdsgrove House some 5,000 plants were grown during 1954.

The Films Committee continued to meet quarterly and four films were completed dealing with elementary bacteriology. A film library was formed, and at present is being maintained for the Society by Imperial Chemical Industries, Ltd., who carry out the necessary distribution of films. Work was commenced on eight film strips to assist in the teaching of pharmacognosy, each film strip being devoted

to a single drug.

The income of the Benevolent Fund from subscriptions was £5,638 (a decrease of £1,233) and from contributions made under deeds of covenant was £2,611 (an increase of £1,607). One hundred and eighteen casual grants, amounting to £6,815, were made, against 167 grants amounting to £9,661 in the previous year. The number of annuitants at January 1, 1954, was eighty; six died during the year and no additional annuitants were elected. The income from the Hills Orphan Fund investments was £292. The income of the Orphan Fund from subscriptions and deeds of covenant was £1,223 (a decrease of £82).

The idea of a home for retired pharmacists was revived by a proposal of the Executive of the National Pharmaceutical Union that a fund should be raised as a memorial to the late Mr. G. A. Mallinson and used towards the establishment of such a home. The income to the Birdsgrove House Fund from subscriptions and donations was £2,305 (an increase of £244) and £1,927 was received from contributions made under deed of covenant (an increase of £266). The amount paid by guests was £1,011 (£130 less than in the previous year). Maintenance expenses amounted to £4,974 (£5,017 in 1953).

There were no contributions to the War Aid Fund, the total contributed remaining at £40,802. Disbursements from the Fund amounted to £1,110. There is a balance in hand of £10,000.

The Society's inspectors visited 13,356 pharmacies and branch shops owned by authorised sellers of poisons (13,835

in 1954). 5,344 drug stores and similar businesses owned by unqualified persons were visited (5,552). 1,770 inspections of the premises of listed sellers of Part 2 poisons on behalf of local authorities were made (1,890). As a result of reports of irregularities and infringements legal proceedings were instituted in twenty-seven cases, twenty cases under the Pharmacy and Poisons Act, 1933, five under the Pharmacy and Medicines Act, 1941, and two under the Penicillin Act, 1947. In one case the summons was dismissed by the magistrates on payment of costs; in one case a conditional discharge was granted on payment of costs; one case was withdrawn and in the remainder of the cases penalties were imposed. In fifty-four cases reported to the Society the Council directed that the infringements or offences reported could be adequately dealt with by means of warning letters. The number of warning letters sent in the previous year was sixty-nine.

#### Statutory Committee

Of four cases dealt with by the Statutory Committee, two involved drunkenness, a third dishonesty, and a fourth the use of a sandwich board for purposes of publicity. In the first three cases formal inquiries were held which resulted in the names of two pharmacists being removed from the Register. In the third case the Committee's decision was deferred and in the fourth case no further action was taken on a satisfactory assurance being given by the pharmacist.

The fifth edition of the British Pharmaceutical Codex was published in October, and the National Formulary on January 1, 1955. The final stages of the revision of the Extra Pharmacopæia (Martindale), Volume II, were almost

reached by the end of the year.

Further claims on the Flood Relief Fund, amounting to £1,073, were settled and the fund was closed and wound up with a balance in hand of £3,009. £250 was contributed to the relief of pharmaceutical victims in the Greek earthquake disaster. The balance of the flood relief fund was used to form the nucleus of an emergency fund "to be used for the relief of pharmacists in distress arising from any local or national emergency at home or abroad." One grant of £500 was made from that fund during the year, leaving a balance of £2,555.

The Society was represented at a meeting to consider the formation of a national organisation to further in this country the aims of the World Health Organisation and became a sponsoring body of the United Kingdom Committee of the World Health Organisation which was formed as a result of the meeting. The secretary and registrar was appointed to represent the Society on the Committee established by the British Broadcasting Corporation to advise on advertising in the publications of the Corporation.

Work proceeded during the year upon the local arrangements for the holding of the sixteenth General Assembly of the International Pharmaceutical Federation in pursuance of the acceptance of the Society's invitation to the Federation to meet in London in 1955. The organisation of an exhibition illustrating the achievements of the British pharmaceutical industry in connection with the Assembly has been undertaken by the Association of British Pharmaceutical Industry. The work of the Franco-British Pharmaceutical Commission proceeded. The fourth Franco-British Pharmaceutical Congress was held at Dinard in May and was addressed on veterinary pharmacy by Mr. F. W. Adams (Great Britain) and Madame Jeanne Varet (France). The British lecture team visited Paris and Algiers and the French lecture team visited Aberdeen, Dundee and Glasgow. Arrangements were completed under the auspices of the Franco-British Pharmaceutical Commission for the award of two research scholarships each tenable for two years and of the value of £400 a year, one to be held by a French student in a British school of pharmacy and the other by a British student in a French school of pharmacy, the cost being borne by the Ordre and the Society.

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#### How to Vote

DISREGARDING for the moment the General Election as being—chronologically, of course—a secondary consideration, let us give a little attention to the choice of seven members of the Pharmaceutical Society's Council on May 18. What is there to guide the voter?

Any member who rejects the procedure of voting blindly by stab of pin may well sigh for some electoral carotene as dark-adapter to sharpen his vision among the vague and shadowy shapes some candidates put forward as policies. Lacking any such aid let us have a closer look at the statements.

There are no doubt voters who may decide that everything the Council has done in the past three years has been good and wise. Even so, they should note that only two of the seven retiring members seeking re-election (Mr. Tom Reid and Mr. Granville Shaw) identify themselves specifically with all those actions. Another (Mr. Tristram) does as much by inference. A fourth (Mr. Hudson) appears to assert a greater independence ("I ... will be guided by my own common sense and experience"). A fifth (Mr. Maplethorpe) avows an almost exclusive interest in education; as he has been chairman of the Education Committee it is fairly safe to assume that, without a deflecting recommendation from the recently appointed subcommittee set up to survey educational policy, he will move forward along the previous lines, of which indeed he was the principal platelayer. A sixth re-standing candidate (Miss Islip) seems ready to make educational changes—in an upward direction. The main preoccupation of the seventh (Mr. Elder) shows itself to be professional ethics, and it would appear that he is thinking on the lines of having certain products banned from pharmacists' shelves or windows.

Thus even from the short statements candidates have issued members can glean more about their differences of character and outlook than from a whole year's reports of Council proceedings. And if the policy clues are not well enough defined, there are the summaries of careers. What, now, have the challengers to offer?

One (Mr. Stevens) leaves himself an entirely free hand. You choose him from personal acquaintance, or on his summarised career, or you take him on trust. Another (Mr. Searle) going right (or left?) to the other extreme offers a cornucopia of good things that would widen Council activities as far as bringing about higher scales of remuneration and briefing pharmacist Members of Parliament on the line they should take in the House.

Miss Hincks drags boldly back into the limelight an object of interest that has for long enough been gathering cobwebs at the back of the stage, namely a better headquarters for the Society. Mrs. Greenwood would devote herself to enhancing pharmacy's "national prestige," and Mr. Jackson to giving members fuller information about the Council's discussions and activities.

The voter who has, like some of the candidates, a single paramount interest, will have no difficulty in placing some of his crosses. If his demand is for a twoyear practical training before admission to the register he will vote for Elder, Greenwood, Jackson, Searle. If it is for better pharmaceutical conditions in the Armed Forces, for Islip and Jackson. If his sole aim is to better the lot of employees, he "plumps" for Searle. Seeking greater consultation of branches by the Council he casts his vote for Elder, Greenwood and Jackson. Or closer liaison with the veterinary profession?—for one candidate only: Maplethorpe. Or a closer watch on where the money goes? Only Jackson makes any mention of it. More trips abroad (pardon, our mistake . . . "better liaison with overseas pharmaceutical organisations")? -three names (one each in G, H and I).

Unqualified assistants are referred to by only two candidates: Jackson, resolutely opposed to recognition; and Hincks, who might be read as being inclined to accept them—on terms.

That there should be any movement afoot to dam or divert the flow of members' benevolence we should be shocked to believe, but any member who has apprehensions on that score can give his vote to a candidate pledged to keep the channels open.

Even without benefit of television, readers have now, we hope, glimpsed from our dissection a variety of good causes to rouse even the apathetic to vote. In a year in which municipal, pharmaceutical and General elections fall within the short space of fourteen days a record poll would be appropriate. It would also be a welcome change from the experience in pharmaceutical elections in recent years.

## Frustrated Exporters

PRESENT facilities for the quick dispatch of goods from the ports in the United Kingdom have recently been the subject of criticism from more than one quarter-and that at a time when the country's industries have been making—through their shop window, the British Industries Fair—a special bid in the export markets of the world. The chairman of the United Glass Bottle Manufacturers, Ltd. (Mr. L. A. Elgood) in his annual statement sent out with the company's accounts pointed out that over three years ago the House of Lords announced the establishment of a Ports Efficiency Committee, with the object of ensuring a quicker flow of goods through the ports. "Our subsequent experience of the prospect then offered," Mr. Elgood continued, "suggests that improvement at the requisite level is as remote now as then." Both the president (Lord Luke) and the chairman (Mr. Frank Travers) of the London Chamber of Commerce referred at the annual meeting of the Chamber (C. & D., May 7, p. 493) to the loss and damage caused to users of the Port of London during the recent dock strike. "Even when there is no strike," said Mr. Travers, "traders sustain losses when their lorries are held up both in the delivery and collection of their goods." Since the country lives by its overseas trade, it is scandalous that faults that were obvious

at the docks three years ago should still persist today, without apparently the least effort to rectify them. During the same period, British industries have made strenuous efforts to increase productivity. With what avail, if they are only to encounter bottle-necks at the ports?

## CORRESPONDENCE

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

#### NOT-SO-GAY GORDONS?

SIR,—Why the distinction in the tartans for the Aberdeen British Pharmaceutical Conference? (see C. & D., May 7, p. 493). The Gordon tartan is a very dull one! Is the dress Stuart being issued to the "locals" to distinguish the generous Aberdonian?

ONE OF THE GORDONS

#### COUNCIL ELECTION

SIR,—We, the undersigned, earnestly ask you for your vote for Mr. Donald Hudson in the forthcoming Council Mr. Hudson's work, and untiring efforts, are well known; during the six years that he has been a member of Council he has travelled far and wide, and he has given unstintingly of his time—as, indeed, of his health and well-being—in the cause of pharmacy. Next Wednesday morning, May 18, is zero hour. Vote now and do not put it off! And vote for hudson.

MARY BURKITT, Chairman, BRIGHTON, HOVE AND DISTRICT BRANCH;

R. G. MUMFORD, President,

BRIGHTON BRIGHTON AND HOVE ASSOCIATION OF PHARMACY

#### **PIRATING**

SIR,—Your readers may be interested in the outcome of an action brought by us recently in the Chancery Division of the High Court, London (see p. 528). We were the originators of the Spik all-plastic lavatory brush and holder. The idea, which was introduced in the spring of 1954, was an immediate success, and we suppose it was that which influenced "pirates." Although the article was not covered either by a patent or registered design, that does not mean that we, as the originators, were not afforded a measure of protection from exact copying. When manufacturers operate design departments, make prototypes and finance the cost of tooling-up for new ideas, the cost of doing so must be reflected in the price of the article. It is hoped that distributors and retailers will support manufacturers by refusing to distribute or sell what appear to be "pirate" copies of original ideas. Of course, there can be no objection to another manufacturer improving on the design of the original idea. The question of "pirating" designs in the international field is a matter which, at the moment, is concerning the Government, which is sending a deputation to Japan to try and reach agreement on that kind of thing. "Pirating" in the home market affects manufacturers who, like ourselves, have a large and increasing export trade in the same way as foreign countries' "pirating" can seriously affect certain sections of our home trade.

SLOUGH, BUCKS

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#### **OUTRAGEOUS FORTUNE**

SIR,—May I offer my sincere congratulations on your forthright editorial in the April 30 issue (p. 483). When the code of ethics was being discussed by our local branch, I made it my business to be at the meeting, since there were many ways of interpreting certain clauses in that Code. I even pointed out that, in certain circumstances, some of the rules, if passed as worded, could give the Society, in effect, power to tell you what colour to paint your shop, how many assistants you should have, and even, in some extremity, to inform you you were not giving a "pharmaceutical service" by the failure on your part to supply a drug or preparation that might be unobtainable due to no fault of your own. Over the past few years we have had several examples of what I can only call "dithering." Often a sponge is used to knock on one door, and a 16-in. naval gun used to demolish the next. I personally will not sell Dexedrine tablets unless the purchaser is not only known to me, but

has also at some time had them on prescription from a doctor. In spite of the fact that the number prescribed is considerable, my attention is often called to such sales by the inspector of the Society. Yet the Society has informed us we may use our "discretion" in such sales. We have two more recent cases of this kind of thing in Oblivon and sex hormones, yet a straightforward rule would solve the problem once and for all. A pharmacist is expected to sell some of those things on prescription only, yet, with the exception of Dexedrine tablets, none are classified poisons, and some may, in certain circumstances, be sold by unqualified traders without restriction. The qualified man might, presumably, have to answer to the Statutory Committee for the breach of a rule that has no legal force behind it, and is vague in the extreme. Finally, the most amazing thingit is also slightly tragic—is the attitude taken over contraceptives. Who should be more qualified to handle those articles than the pharmacist? Exception may be taken to any display of such articles, however discreet, and most chemists do not display them. I have seen them displayed in barbers' and shoe repairers' shops, amongst other places. Can the Society do anything about that? Should it make any attempt it would probably be told what it can do. When my sense of humour is about I find the position far more entertaining than any farce at the theatre. If chemists' remuneration is mentioned, pious hands are held up in horror, and we are Pharmaceutical Union. So it would appear at the moment that, apart from proceeding against persons for illegal sales of poisons, the main function of the Society is to tell us we are naughty boys and girls, not to be trusted, and to be available for punishment for sticking pins into the nebulous cloud of words that surround the sale of certain articles. It makes one wonder, "if it is nobler in the mind to suffer the slings and arrows of outrageous fortune or to take arms against a sea of troubles. HAMLET

#### MEDICAL PORTRAITS

SIR.—I am compiling a complete history of pharmacy at University College Hospital and wish to obtain portraits, sketches, or photographs of the following medical practitioners who were apothecaries at the hospital during the dates given:-

John Hogg. Born in 1803; apothecary, 1828-34; later physician to the hospital and in general practice in Lon-

don; died in 1880.

LONDON, W.C.1

John Taylor. Born at Huddersfield in 1810; apothecary, 1834-41; later professor of clinical medicine at University College, and then physician to Huddersfield Royal Infirmary; died at Huddersfield in 1852.

Charles Percy Croft. Born in 1816; apothecary, 1846–48; later in general practice in London and a founder of the Royal Northern Hospital; died in 1873.

William Price Jones, Born in 1829; apothecary, 1856–59; later in general practice at Surbiton and surgeon to Kingston Dispensary; died in 1889.

Walter Rickards. Born in 1840; apothecary, 1864–66; later in general practice in Cavendish Place; died in 1897.

Charles Edward Squarey. Born at Salisbury in 1842; apothecary, 1866-68; later in practice in Wimpole Street and physician to the Hospital for Women and Marylebone

Dispensary; died in 1875. If any of your readers can lend me portraits of any of

these apothecaries I should be most grateful.

T. D. WHITTET, Chief Pharmacist, UNIVERSITY COLLEGE HOSPITAL

### APPRECIATION

In the course of a long life I have been asked "Why do you take two"? Your Editorial in the C. & D., April 30, supplies the answer.—M.P.W.

#### PHOTOGRAPHIC DEPARTMENT

## COLOUR PROCESSING AT HOME

By Leslie G. Sandys, A.R.P.S., F.R.S.A.

N p. 281 of the C. & D., March 12, appeared the suggestion: "Colour photography continues to advance in popularity, and in the number of its devotees, step by step with the wider facilities offered by manufacturers. . . . We would urge dealers to keep pace with its sales potentialities, especially in the best way possible—by becoming practising colour photographers themselves." To be able to talk intelligently to customers about colour photography the dealer should not only be a practising colour photographer himself, but should also be a practising colour processor.

The Pakolor processing and printing outfit No. 1 (see C. & D., February 26, p. 328) enables any dealer easily, and at low cost, to gain a valuable insight into colour processing of the negative-positive type of material, and-what is more important—to show his own results to amateur colour photographers. That is always much more persuasive in making sales than exhibiting specimens made commercially. If customers make mistakes in their processing, the dealer should be capable of explaining where they

have gone wrong.

#### The Outfit

Provided the instructions are carefully observed, the processing of both Pakolor films and paper is extremely simple. The No. 1 outfit contains chemicals in two packs (part 1 and part 2), eleven sheets of  $3\frac{1}{2} \times 4\frac{1}{2}$ -in. paper (the odd sheet included for test purposes), a wire filter-holder that clips on to the enlarger lens, a set of red, blue and green filters in a card mount, a 5 x 7-in. safelight for use with Pakolor paper, and a comprehensive instruction book-Those items are packed in an attractive blue box measuring  $9\frac{1}{2} \times 7\frac{3}{4} \times 3$  in., on the lid of which is a reproduction of a photograph in full colour.

A knowledge of black-and-white photography is obviously necessary to enable the worker to make colour prints; apart from that the only requirements are a spiral roll-film tank (one of the Polly-Min type is useful because it is economical of developer and stop-bath, which has to be discarded after use), a darkroom, four dishes, an accurate thermometer, dish warmer, eight bottles, and an enlarger with a good-quality lens and 150-watt high-intensity enlarging lamp. A darkroom timer is an advantage, but a clock that can be seen in a dull green light serves the purpose.

The developer is in three parts, and they must be dissolved and stored separately. Different proportions of each are required for developing film from those required for paper, and the complete solution must be mixed twelve hours before being used. The developer therefore uses four bottles. The writer used water from the Water Wizard (see C. & D., January 29, p. 114) with completely satisfactory results. Next the stop-bath is prepared in stock solution, and here again a working solution must be made from the stock, and that (and the developer) thrown away after use. The remaining two bottles are for working solutions for bleach-fix and hardener-stabiliser, which can be used repeatedly.

For the purpose of the present review the work was done by a person who had never before processed that type of colour film, or any type of colour print. He developed an exposed Pakolor film one evening and made successful Pakolor prints the following evening (the film

must be allowed to dry naturally—not by heat).

Film development is similar to processing black-and-white film, the order of operations being: Develop  $(6\frac{1}{2}$  minutes at 65° F.); stop-bath (2 minutes at 63–67° F.); wash (2 minutes—not more); bleach-fix (20 minutes at 63-67° F.)

—the film may be inspected by artificial light after ten minutes in the bleach-fix; wash (2 minutes in running water); hardener-stabiliser (5 minutes at 63-67° F.); final wash (30 minutes in running water); total time:  $67\frac{1}{2}$ minutes

When the film is dry it is ready for printing without further treatment, and while it may be possible for the experienced worker to judge fairly accurately the successive exposures through the red, green and blue filters respectively, the beginner is advised to make test strips in accordance with the simple instructions included with the outfit. That procedure enables the density and colour balance to be assessed and also enables exposures to be corrected for the final print.

The order of processing the Pakolor prints is as for film development, only the times and temperatures being different. The total time required to complete one print is 61 minutes, though a print may be viewed by the white light in the darkroom after only 26 minutes' processing

(i.e., after 5 minutes in the bleach-fix bath).

Pakolor material consists of three layers of emulsion: Red-sensitive, green-sensitive and blue-sensitive. A dyecoupling compound is introduced into each layer, the dyes being in the minus colours, so that in the red layers it is cyan (blue-green), in the green layer it is magenta (crimson), and in the blue layer it is yellow. Therefore, when a colour negative, with its minus colours, is printed, the positive is produced in natural colours, the red filter printing the cyan, the green filter printing the magenta, and the blue filter printing the yellow. By varying the exposure times through each filter the correct colour balance can be obtained. Complex though the process may appear, it is in fact quite simple in practice, and the person who made the tests for the purpose of this review, unaided and without any instructions other than those contained in the booklet provided with the outfit, produced a satisfactory colour print at the first try, and was able, on the second print, even to improve the balance beyond what might be expected by introducing judicious "shading."

So it will be seen that any dealer who wishes to gain knowledge of colour processing quickly, and to be in a position to talk to his customers on the subject, could hardly do better than spend a couple of interesting evenings

in his darkroom with a No. 1 processing outfit.

#### A PHARMACIST'S ANTHOLOGY POISONING HIMSELF

From Old St. Paul's, by W. H. Ainsworth

THE atmosphere smelt like that of an apothecary's shop, and was so overpowering that Leonard could scarcely breathe. The table was covered with pillboxes and phials, most of which were emptied, and a dim light was afforded by a candle with a most portentous crest of snuff.
"So you have been poisoning yourself, I perceive,"

observed Leonard, approaching him.

"Keep off!" cried the porter, springing suddenly to his feet. "Don't touch me, I say. Poisoning myself! I have taken three rufuses, or pestilential pills; two spoonfuls of alexiteral water; the same quantity of anti-pestilential decoction; half as much of Sir Theodore Mayerne's electuary; and a large dose of orvietan. Do you call that poisoning myself? I call it taking proper precaution, and would re-commend you to do the same. Besides this I have sprinkled myself with vinegar, fumigated my clothes, and rubbed my nose, inside and out, till it smarted so intolerably I was obliged to desist, with balsam of sulphur."
"Well, well, if you don't escape the plague, it won't be your fault," returned Leonard.

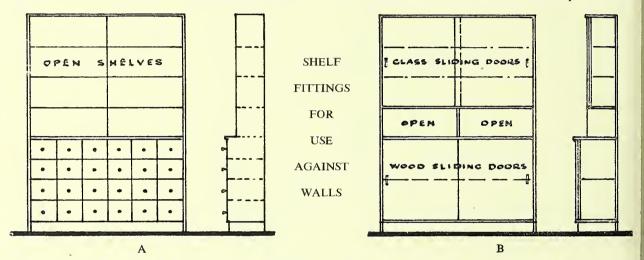


We seek further information about stock shelving and the "purpose-made" fittings you referred to in a previous reply (C. & D., April 9, p. 398).

For your assistance two small drawings of fittings are submitted. "A" shows a fitting 7 ft. high by 5 ft. long having open lockers in the upper part and twenty-four woodfronted drawers in the lower. Each drawer has a central handle and each would be fitted with a ticket holder to indicate the drawer's content. It will be seen from the

with some less glossy material, say, terrazzo. If we did proceed with this design using cement instead of vitrolite, what colour would you suggest for it? What then, would be suitable colours for facia letters; pestle-and-mortar motifs; frieze; letters on the frieze; stall-risers; and neon tubes? In describing the window divisions you mention that they are portable. Do you mean by this that they can be moved to any position in the window in order to alter the size of the display? Should the windows be divided into three by the window frames, or do you suggest having one large window about 12 ft. long with two portable divisions? If they are indeed portable what type of support is required for them?

A CEMENT rendering for the facia and pilasters is still quite practicable, though the effect will not of course be comparable with the mica-embossed vitrolite originally suggested. Black toughened glass has a high gloss finish, but can also be mica embossed to give a textured appearance as with the grey vitrolite facia and pilasters. Terrazzo is sometimes used for stall-risers but it has to be maintained and treated from time to time if it is to keep its life and



side view that the upper part of the fitting is less in back-to-front measurement than the lower. This type of fitting is suitable for most bottled and packeted forms of pharmaceuticals and is generally termed a drug fitting. "B" shows a fitting the same size with a showcase upper section and a stock cupboard at the bottom, the two being divided by a small open locker area. The showcase has glass sliding doors and is often illuminated, while the stock cupboard has wood sliding doors concealing one fixed central shelf. If you have purpose-made fittings you can, of course, ring the changes between types "A" and "B." For example, to name but one alternative, the upper part of "B," complete with open lockers, may be used with the lower part of "A" with its stock drawers. The showcase fitting on the right-hand wall should, I suggest, be as type "B" but with glass sliding doors in the lower section as well, and both the upper and lower display cases should be illuminated.

For a dispensary fitting to take tablets, etc., yet conceal unsightly ointment jars, I suggest that you have a wall cupboard with wood sliding doors above the dispensary bench to take the ointment jars, and that certain of your dispensary benches should be fitted with nests of drawers to carry the tablets, etc. Care should be taken to ensure that the upper cupboard is a fair distance above the dispensary bench top (say 21 in.) thus leaving the bench top free for easy work.

In a design you recently worked out for our proposed shopfront you suggested vitrolite for the facia and pilasters. As we shall have to cut down on the cost of the shopfront wherever possible, would it be satisfactory to have the facia and pilasters finished in cement rendering instead of vitrolite? Whilst it is too, entirely a personal taste, I am not keen on the very shiny appearance of the black toughened glass, and I was wondering whether it would be possible to replace it

colour. When neglected it rapidly becomes drab and slate-like in appearance. If you decide on a rendered cement facia and pilasters you can still maintain the colour scheme suggested in the original reply, the cement rendering being painted pastel grey and all other items, such as lettering, etc., kept as before. The window divisions would come behind each glazing bar, and would only be portable in the sense that they could be either fixed in that one position or left out. They could not be fixed at any required position in the window as that would make fixing complicated, and would in any event be unnecessary. The fixing of the divisions is a detail you can well leave to the shopfitter. As originally indicated, each window should be divided into three panes of glass with two glazing bars.

I am wanting to get some letters cut out in 3- or 5-ply wood (or similar) to fit to the front of my shop facia and gild them, preferably in a plainish Saxon type of lettering. The wording would be "The Old Bank Pharmacy." Could you tell me where I can get some made? The local craftsman is too busy at present to do the job. I should also be pleased to have any ideas you may have regarding the colour scheme most suitable for the front of the shop. The shop faces north. The upper part is terra cotta tiles. It is at present a dull but warm brown. I should like it to stand out more. I fancy cream and black, or beige and brown with an azure facia and gold lettering. The shop is very old (sixteenth century) and I should not want anything too blatant. The windows are probably only Victorian or Edwardian.

Wood facia letters, unless frequently decorated or gilded, are quickly affected by weather and subject to rapid deterioration. If you want something durable and trouble-free, metal letters are recommended. Most facia letters are made up from lead-coated sheet steel, stove

enamelled to an approved colour. Sheet steel letters may be made in many types and styles, and that is one reason why this form of lettering is so extensively used. The method lends itself to the creation of special lettering that gives individuality and character to the facia. The letters can also be formed to embody neon tubes, and that, too, is often desired. There are also available cast aluminium letters, which are again stove enamelled to a desired colour. Further types are of cast bronze, either left in its natural colour or gilded with gold leaf; or cast bronze with cream vitreous-enamel centre. One of the last two I would think most suitable for your purpose. Unfortunately part of your letter is illegible but if I read it aright your facia is of terra cotta tiles of a warm brown colour. I suggest that you have the tiled facia cleaned (burnished with a wire brush and washed down). Upon the renovated facia I suggest you fix the cast bronze letters as recommended. Both varieties would be easily read and both would look dignified and in keeping with your period shopfront.

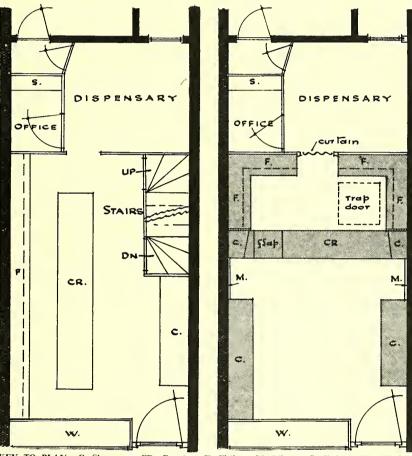
A plan you previously provided called for a new window with a central door. With heavy expenditure necessitated on the rear of the building, above the fire-damage repairs, we wish to keep further costs as low as possible. At present the shop space available for customers is small, and there is a long walk from the dispensary door to the end of the counter. With a big new staircase fitted just behind the dispensary we can do without the stair in the corner of the shop and, with a trap door in place of the cellar door, the corner now taken up by the stairs could be taken away and levelled over, and the counter swang across the snop. The would nearly double the space available to customers and bring the dispensary. The counter near to the dispensary. cases on the door side, A, will probably do, as they fit from floor to ceiling. They have glass fronts and are mahogany fronted. On the other side, B, the old drawers with somewhat twisted shelves will have to go, and it is there that suggestions for the type of casing would be appreciated. The height of the old shop is only 7 ft. 3 in., and a beam runs along the ceiling reducing the height of the proposed casing to 6 ft. 11 in. Any suggestions for casing, counter or behind, in keeping with the age of the premises, would be welcomed.

THE plan which you have submitted I have altered very little because, without moving the dispensary, I think the arrangement is the best in the circumstances. There are, however, two small points which I think might improve the plan. They are

the circumstances. There are, however, two small points which I think might improve the plan. They are to introduce (a) two small counter cases and (b) two mirrors. The two counter cases come at either end, as shown on the proposed plan, concealing the ends of the return wall fittings, and extending from counter top to the top line of the wall fittings. The two mirrors occur between the ends of the forward wall showcases and the front edge of the counter, giving visual width to the shop at the customer's contact point. The mirrors would be from floor to top line of fittings.

The new wall fittings behind the counter I suggest should be open shelving above the counter line and drawers and cupboards below. The fittings backing upon the dispensary screen could have drug drawers in the lower half, while the return wall fittings could be fitted with wood sliding doors concealing one or two lines of shelves. I am not certain whether you are contemplating a new counter or whether it is your intention to cut and adapt and reuse the existing. If it is to be new, I would suggest that it be 3 ft. high by 2ft. wide and that it have a shallow case in the front (about 6 to 9 in. deep) with all-glass sliding

doors for access. The back of the counter would have some open lockers and some drawers according to your stock requirements. There would, of course, be a wicket gate below the flap position. It would be vertically veneered in mahogany to match the other work. As to the new showcases on the left hand wall, these I think should be approximately 21 in. back to front, and having showcases in both the upper and lower halves, with all-glass sliding doors for access. They might be illuminated, but that would also necessitate lighting the existing showcases on the opposite wall, and as I have no details of these I am not certain if the suggestion would be practicable. If both could be illuminated that would do much to help the forward section of your shop. As the new showcases can only go up to the underside of the beam it would, I think, be advisable to have a filling-in panel from the fitting top to the ceiling. The panel would "scribe" around the beam on the return end and thus give continuity with the existing showcases opposite, which you say go up to the ceiling.



KEY TO PLAN: C. Showcase. CR. Counter, F. Fitting. M. Mirror, S. Shelves. W. Window,

As there is a possibility of new stock fittings, new wall showcases and a new counter, it occurs to me that you might like to break away from the old mahogany colour and have a lighter shade. If so, I suggest that you have the existing wall showcase bleached and then repolished to a golden tone not unlike a warm sycamore or maple colour; and that the new fittings be made from mahogany bleached prior to polishing and then polished to the same tone as that of the repolished existing showcase. Light-coloured fittings with pastel shades for wall decoration and an off white ceiling can often create a feeling of spaciousness in a well-planned small shop, particularly if the floor covering, too, is of a light plain colour.

Have you a shopfitting problem? Write to James Grimm,

Have you a shophtting problem? Write to James Grimm, c/o The Editor.

YEAST FACTORY.—A factory producing torula yeast (used as a vitamin and protein food supplement) from the byproducts of paper-making has been opened in Wisconsin, U.S.A.

## ESSENTIAL OILS IN THE COMMONWEALTH

## Greater use of existing resources urged to increase production

IN a paper read to the Royal Society of Arts in London on April 28, Mr. M. F. Carroll, M.Sc., F.R.I.C. (chief research chemist, A. Boake Roberts & Co., Ltd.), estimated that only about 4 per cent., by value, of the total essential oils produced in the world at the present time came from Common-wealth countries, and India with Cey-lon was responsible for one-half of that quantity. Considering the size of the Commonwealth much more ought to be done by various Governments and big business enterprises in Great Britain to increase production of the oils and so become less dependent on other countries. With the standard of living in the Asian countries growing higher year by year there would be a tendency for those countries to need more of their oils themselves, with a result that supplies might become diffi-Cheap labour, so essential to economic production in the past, would have to be replaced by mechanisation. The introduction of work study would be an advantage. The following is an abstract of Mr. Carroll's paper:

An exact estimate of the value of essential oils at any one period is hardly

possible for many reasons. Production figures in some countries—for instance Russia and China—are not available; production in any one area has varied in the past in the ratio of 100 to 1, prices have similarly fluctuated in the ratio of 10 to 1 and political conditions affect both production and value. For the purposes of comparison, however, known production figures over the past few years have been taken for countries in normal production, and in a few cases where conditions are not stable the years preceding the war have been used. Prices have been taken at the present level, on the assumption that the remarkably low values of the prewar years are unlikely to be met with in the future.

The total world production may be assumed to be of a value of £100 millions, and the Commonwealth production below £4 millions of which India and Ceylon account for about one half. Production and values for Commonwealth production are both susceptible to considerable variation, but on the above basis they are:

Country	Value	Principal Oils
Australia	£500,000	Eucalyptus,
India	£1,500,000	Lemongrass, sandalwood, palmarosa, citronella
Ceylon British West	£800,000	Citronella
Indies British East	£300,000	Citrus, bay,
Africa	£100,000	Geranium, cedarwood, citrus, lemon- grass
Zanzibar Seychelles	£100,000 £100,000	Cloves Cinnamon leaf, patchouli

Canada, South Africa and New Zealand make no significant contribution, and the figures for Malaya are doubtful, imports and exports balancing, although there is some production of patchouli and other oils. Turpentine is the most important essential oil; world production is about 200,000 tons, valued at £20 millions. Unfortunately, apart from India no Commonwealth source of turpentine is available. Production of peppermint oil is probably about 2,000 tons per annum and of menthol about 1,000 tons with a total value of about £15 millions but little value of about £15 millions but little is produced in the Commonwealth. Australia produces some orange oil, and the British West Indies produce large quantities of very good quality orange, lime and grapefruit oils. Although lavender grows readily in many countries there is very little and commonwealth. tries, there is very little oil distilled outside Europe. Citronella oil was obtained originally from Java and Ceylon, the oils differing somewhat in composition. Since the war Formosa has supplied the bulk of the Java type, with Central and South America producing a smaller proportion. Ceylon continues to export large quantities of its own

type, which is somewhat less useful.

Lemongrass oil is produced chiefly in India and Guatemala and considerable amounts of sandalwood oil come from within the Commonwealth.

#### Labour Costs

Traditionally the essential oil industry is based on a peasant economy, on cheap labour, or a low standard of living. It is generally agreed that cheap labour will have to be replaced by mechanisation and better organisation. Parts of the Commonwealth Cevlon, and Pakistan—are still capable of competing in world markets, owing to low labour costs.

In order to decide which essential oils should be produced in the Commonwealth, trends in the industry should be considered. Factors tending to increase prices and so favour production are the increasing standard of living throughout the world, resulting in a greater demand and the higher labour cost resulting therefrom. On the other hand, the increasing tendency to synthesise the important constituents of essential oils will have an adverse effect. From the long-term point of view, the more expensive flower oils and absolutes are more likely, on purely economic grounds, to suffer from the synthetic product. Whilst, in the United Kingdom, the universities, public bodies and the research organisations of private firms have contributed a large share of the world's knowledge of essential oils, much more remains to be done. The main emphasis should be on the study of the cultivation and accli-matisation of plants not indigenous in the Commonwealth but of economic importance—that is, not what is available, but what the public wants. It is necessary to learn in a short time all the tricks and practices that are used in the older oil-producing areas.

Progress in the technological sense is

slow. The first necessity is adequate planning to reduce the major cost labour charges. The introduction of work study would be an advantage, as it has been shown in this country that this technique can be applied successfully in agriculture. Some attention might be paid to better distillation apparatus and also to proper storage, in order to cope with the problems of variable prices to which most essential oils are subject. This may involve the provision of bulk storage, preferably with refrigeration, in suitable containers. The common practice of leaving relatively expensive oils in old iron drums, often in conditions of high temperature and humidity, may have a very bad effect on the quality of the oil. In the processing and testing of essential oils in the Commonwealth, particularly where new ventures are to be undertaken, more supervision by ex-perienced technologists is required.

#### Isolates From Lesser-known Oils

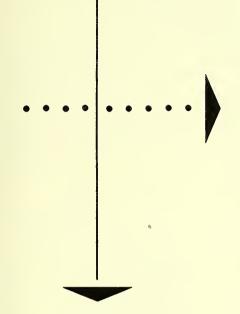
There is no reason why the Commonwealth should not, from its own resources, develop perfumes based mainly on indigenous plants and make use of little known essential oils for the isolates. Thus an oil produced in South Rhodesia on a small scale is nindi or oelanthus oil, which contains more than ninety per cent. geraniol and is probably the best source of the pure isolate. Backhousia citriadora—a native of New South Wales—yields an oil consisting almost entirely of citral. The facts are known in this, as in many other instances, but development is slow or non-existent. Some assistance is already provided by Governments, especially on the scientific side, but practical advice on the spot would be valuable and should cover a variety of interests, such as those of botanists, biologists, soil scientists, chemists acquainted with the industry, and users if possible. Fre-quently the growing of essential oil plants can be combined with other purposes, the growing of trees as wind-breaks and of plants to prevent soil breaks and or prairies to present erosion. Since this would serve a public purpose, part of the cost could be seet from public funds. The Asian met from public funds. countries may be expected to consume their own produce, as their own manufacturing experience increases and as the demand, due to an improved standard of living, rises. The diminished exports from this source may make it all the more necessary for other parts of the Commonwealth to increase their own production.

#### WORLD TRADE

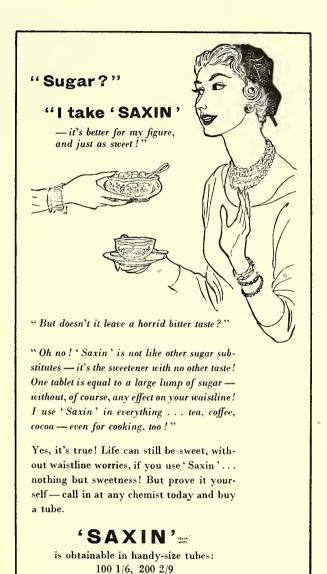
Israel Making Photographic Paper -An Israeli enterprise, the Zilumit Co. has started commercial production of photographic paper, including x-ray

Italian Mercury Exports.—Italy exported 97.8 metric tons of mercury in February against 86.4 tons the pre vious month. West Germany was the chief buyer in February with 62 tons followed by the United Kingdom with

## Make their loss your gain



The message that 'Saxin' provides them with the sweetness of sugar without adding to their weight, will appeal forcefully to all women. It is shortly to appear in Good Housekeeping, Woman's Own, Woman, Everywoman, My Home, Wife & Home, Home Notes, Home Chat, Woman's Weekly and Woman's Illustrated. The replacement of sugar by 'Saxin' helps the slim to remain so, the overweight to regain a slimmer line. Unlike ordinary saccharin, it leaves no unpleasant after-taste. It is sold only by pharmacists. A counter or window-display will therefore ensure that you gain as you help your customers to lose unwanted weight.



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WILMSLOW, MANCHESTER

## TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various the prices given are those obtained by importers of inflatactures for bulk qualities of original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, MAY 11: Quiet but steady trading conditions prevailed in the CRUDE DRUGS market during the week. Most commodities remained firm and in tight supply.

The best-quality COCHINEAL was available only in small quantities, and both Cape and Curação Aloes were virtually unobtainable on the spot. Stocks of CINCHONA bark were somewhat limited, but parcels of succirubratype bark are due to arrive shortly. SAFFRON is quite firm, with spot prices advanced by 5s. per lb. Rhubarb was more freely offered from origin; the offers consisting of material of various qualities from 60 to 80 per cent. pinky. Holders of Ergot at origin dropped their shipment offers by 1s. 3d. per lb. and Chinese Menthol. was down by 3s. per lb. on the spot bringing it to sixpence per lb. under the Brazilian material. In Aromatic Seeds, Cumin eased slightly as new-crop offers were received for June-July shipment; Indian Celery was 5s. dearer per cwt. at 150s. There was little interest in SPICES with the exception of GINGER and PIMENTO. Spot GALANGAL was offered at 80s. and PODOPHYLLUM emodi at 150s. per cwt.; both were cheaper than previously.

In PHARMACEUTICAL CHEMICALS, soft PARAFFIN was increased by £2 per ton following the higher prices announced last week for the liquid. There were minor upward adjustments made in the smaller packages of Aspirin, Salicylic acid, Bismuth salts and Sodium salicylate to cover higher packaging costs.

In ESSENTIAL OILS, LAVENDER SPIKE was firm at 14s. per lb., but Spanish SAGE was easier by ninepence per lb. and LEMONGRASS by threepence. Other oils were unchanged on the week.

#### **Pharmaceutical Chemicals**

ADRENALINE.—Rates for synthetic B.P. are from 1s. 3d. (500 gm. lots) to 1s. 9d. (10 gm.) per gm. and ACID TARTRATE, B.P., from 10d. to 1s. 2d.

AMIDOL.—Quotations for 1-cwt. lots are 20s. per lb.

Ammonium carbonate. — B.P. lump is £76 10s. per ton; Powder, £80. Bicarbonate is £49 per ton, delivered U.K.

ANEURINE HYDROCHLORIDE. — Price per kilo is £38 5s.; 10-kilos, £38 2s. 6d.; 100kilos, £38.

ASPIRIN.—Prices are as follows:—5-cwt. lots, 4s. 6d. per lb.; 1-cwt., 4s. 6½d.; 28-lb., and under 1-cwt., 5s. 4d. Smaller lots from 5s. 6½d. to 6s. 1½d. as to quantity and package.

BARBITONE. — Rates per lb. for 7-lb. lots are 27s. The SODIUM derivative is 6d. per lb. more than the base.

BISMUTH SALTS.—The following are the prices (per lb.) in largest bulk packages:-

	I-cwt.	28-1D.	/-10.
CARBONATE SALICYLATE SUBGALLATE SUBNITRATE	s. d.	s. d.	s. d.
	23 5	23 8	27 5½
	22 6	22 9	26 4½
	21 8	21 11	25 4½
	20 11	21 2	24 6½

Bromides. — Potassium B.P. crystals in 5-cwt. lots are 2s. 10½d. per lb.; 1-cwt., 2s. 11½d. per lb. Powder is 1½d. per lb. more. Ammonium is 3s. per lb. in 5-cwt. lots and Sodium, 2s. 9½d. per lb. CAFFEINE. — Easier. For 1-cwt. lots, Alkaloid, B.P. is 23s. 6d. per lb.; anhy-drous alkaloid, 24s. 6d.; and citrate, 15s. 6d.

Calamine.—1-cwt. lots are 1s. 7d. per lb.; 10-cwt., 1s.  $5\frac{1}{2}$ d.

CALCIUM CARBONATE. — B.P. powder is £26 per ton, ex store.

CALCIUM GLUCONATE. — Quantities of 3-cwt. and upwards are quoted at 4s. per lb.; 1-cwt. to 2-cwt., 4s. 1d.; smaller quantities, up to 4s. 4d. per lb.

CALCIUM PANTOTHENATE.—Price per kilo is £32 10s

CALCIUM SUCCINATE. — Quotations are from 10s. 6d. to 12s. 6d. per lb., as to quantity. SUCCINIC ACID is from 10s. 6d. to 12s. 3d. per lb.

CHLORAL HYDRATE. — In 1-cwt lots the price is from 3s. 10d. per lb. as to holder. CHLOROCRESOL.—Pharmaceutical quality is quoted at 6s. 7d. per lb. for 1-cwt. lots.

CHLOROXYLENOL.—B.P. quality is 5s. 9d. per lb. for 1-cwt. lots, and 5s. 7d. for

CINCHOPHEN.—1-cwt. lots are quoted at 21s. per lb.

CRESOL.—Price of B.P. quality from distillers is 7s. 9d. per gall. in 5-gall. lots.

CYCLOBARBITONE.—B.P.C. and CALCIUM DERIVATIVES in 1-cwt. lots are 65s. per lb.

DEXTROSE. — Rates are as follows: DEXTROSE. — Rates are as follows:—MONOHYDRATE, B.P., 1-lb., 1s. 11½d.; 7-lb., 11s. 10d.; 28-lb., 43s.; free packages, less 12½ per cent. to wholesalers. In bulk, 1-ton lots, £90 ex works, ANHYDROUS, B.P., 7-lb., 14s.; 14-lb., 26s. 3d.; 28-lb., 49s. (terms as for monohydrate). 1-ton lots, £107 flo. ox workboxes. £107 10s. ex warehouse.

DICOPHANE (DDT).—Prices are as follows:—1-cwt. lots, 3s. 1d. per lb.; 1-ton, 2s. 10d. Discount for larger quantities.

DIPHENAN.—Prices range from 55s. 3d. (56-lb.) to 63s. (1-lb.) per lb.

EMETINE.—Price for 32-oz. lots of the HYDROCHLORIDE is 250s. per oz. The BISMUTH 10DIDE is 125s. per oz.

ERGOTOXINE ETHANESULPHONATE.—Price per gm. for B.P.C. (1949) is: 1 gm., 168s. 9d.; 10 gm., 155s. 3d.

FORMALDEHYDE. — B.P. solution is 37s. 3d. per cwt. for 4-cwt. lots including

Guaiacols. — Liquid, B.P., is 16s. 3d. per lb. for 28-lb. lots; crystals, 16s. 9d.; carbonate, 18s. 3d.

HYDRAZINE HYDRATE.—Price per ton is £153 for the 10 per cent. (w/v) solution and £33 for the  $2\frac{1}{2}$  per cent.

HYDROQUINONE.—Quotations for 1-cwt. lots are 10s. 6d. per lb. For smaller quantities, viz., 28-lb., 10s. 9d.; 14-lb., 11s. 6d.; 7-lb., 12s.

Magnesium sulphate.—Quotations for B.P. in minimum 1-ton lots vary between £17 10s, and £20 per ton according to size of crystal and manufacturer. Exsicated is £34 per ton.

PARAFFINS.—Following the higher prices announced last week for liquid, soft paraffin is £2 per ton dearer. Present rates to wholesaler distributors are as follows:—*Liquid*: HEAYY, B.P., £100 17s. 6d. per ton; LIGHT, B.P., £83; *Technical White* oils, £70 10s. for the LIGHT and £84 for the MEDIUM, all in 40-45 gall. returnable loaned drums, delivered U.K. *Soft*: White, medium consistency, £94 15s. per

ton; White, soft consistency, £92 10s., and Yellow, £72 10s., all B.P., in non-returnable drums delivered. *Hard:* Melting point 135/140° F. is £84 12s. 6d. and 145/150° F., £85 12s. per ton, in minimum 1-ton lots, ex works.

PHENACETIN. -- In 5-cwt. lots makers' price is now 6s. 8d. per lb., 1-cwt., 6s. 9d.

POTASSIUM BICARBONATE.—B.P. powder is 110s. per cwt. for 1-4-cwt. lots and 105s. per cwt. for 5-cwt. and over.

SALICYLIC ACID.—Prices are: 5-cwt. lots in bulk, 2s. 11½d. per lb.; 1-cwt., 3s.; 28-lb. and under 1-cwt., 3s. 7d.

SODIUM CARBONATE.—B.P. exsiccated is 60s. 6d. per cwt.

SODIUM SALICYLATE.—Rates are:—1-ton lots in bulk, 3s. 5d. per lb.; 5-cwt., 3s. 5½d.; 1-cwt., 3s. 6d. Smaller lots at from 4s. ld. to 4s. 10½d. as to quantity and packing.

ZINC PEROXIDE. — Price (per lb.) for 1-cwt. lots of B.P. is 5s. 3d.

#### Solvents

ACETALDEHYDE. — The 100 per cent. is 140s, per cwt. for drum lots and the 40 per cent., 149s.

ACETATES.—Prices (per cwt.) for drum lots are as follows:—AMYL (technical), 240s. and (B.S. 552: 1950), 242s.; BUTYL (B.S. 551: 1950), 172s.; ETHYL (B.S. 553: 1950), 138s.; ISOPROPYL, 133s.

ACETONE,-Drum lots are quoted at £90

Benzene. — Thiophene-free is 9s.  $0\frac{1}{2}$ d. per gall. in 50-gall. barrels and pure, 6s.  $0\frac{1}{2}$ d. per gall.

BUTYL ALCOHOL (B.S. 508: 1950).—1-ton lots are quoted at £156 per ton and drums at £159 per ton.

CARBON TETRACHLORIDE, B.P. boy lots are £124 per ton. Technicat, in 40-gall. drums, in less than 1-ton lots, is £78 per ton; 1 ton and under 2 tons, £76 10s.; 2 tons and under 4 tons, £76; 4 tons and upwards, £75.

DIMETHYL ACETATE. — Drum lots are quoted at 163s. per cwt.

ISOPROPYL ALCOHOL.—Standard grade is £80 10s. per ton (5s.  $7\frac{1}{4}$ d. per gall.) in 10-ton lots. Essence grade is from 16s. 3d. to 19s. per gall., as to quantity.

PHTHALATES.—Prices (per lb.) for drum lots are as follows:—DIAMYL, 3s.; DIBUTYL, 2s. 1½d.; DI-ISOBUTYL, 1s. 11d.; DIETHYL (normal grade), 1s. 11¼d.; DI-METHYL, 1s. 8¾d.

#### Crude Drugs

ACONITE. — Spot supplies of Spanish napellus are 4s. per lb., duty paid.

ALOES. — Prime Cape for shipment is 287s. 6d., c.i.f. No spot offers.

ANTIMONY. — English 99.6 per cent. is £222 10s.; 99 per cent., £210 per ton.

Areca NUTS. — Quotations are about 40s, per cwt. for Ceylon material on the spot. Shipment, 25s., c.i.f.

ASAFŒTIDA.-Persian block is from £10 to £14 per cwt., duty paid, as to quality.

BALSAMS.—Quotations (per lb.) are:-Canada: spot offers are from 22s. 6d. 25s. as to holder; no offers for shipment. Copaiba, B.P., 11s. 6d.; Para insoluble, 7s. 6d. Peru is 11s. 6d., duty paid; forward delivery, 10s., c.i.f. Tolu (genuine as imported), 26s. 6d. spot and 26s., c.i.f.; B.P., 17s. 6d., spot.

Buchu.—New-crop rounds on the spot are 4s. 9d. per lb. with shipment at 3s. 9d., c.i.f.

CASCARA SAGRADA.—American 1954 peel is 250s., duty paid. Offers for June shipment of new-crop have been received at 250s., c.i.f.

CASSIA BARK. — Whole on the spot is about 90s, per cwt., in bond, and for forward delivery, 81s. 6d., c.i.f. Broken 75s., in bond, and 72s. 6d., c.i.f.

CHAMOMILE. — Belgian flowers are 5s. 3d. per lb. on the spot.

CHERRY BARK. — Thin natural is from 1s. 8d. per lb., duty paid, and rossed, 2s. 1d., on the spot.

CINCHONA. — A parcel of Tanganyika druggists' bark (7.79 per cent. total alkaloids; s.q., 7.3; cinchonidine, 0.48) is loids; s.q., 7-3; cinchonidine, 0-48) is offered on the spot at 1s. 11d. per lb. Other parcels arriving shortly.

CLOVES.—Zanzibar on the spot are now quoted at 3s. 5d. per lb.; prompt shipment, 3s. 2d., c.i.f.

COCHINEAL. — Limited offers of black-brilliant are 30s. 6d. per lb. on the spot; silver-grey are 19s. and grey-black, 19s. 6d. Peruvian silver-grey in course of landing is offered at 16s. 9d.

ERGOT.—Portuguese is easier for shipment at 11s. 9d. per lb., c.i.f.; Polish, 7s. 6d. spot (for shipment, 7s., c.i.f.).

GALANGAL.—Root is quoted at 70s. per cwt., c.i.f., for shipment, and spot, 80s.

GENTIAN.—French natural on the spot from 122s. 6d. per cwt. Shipment is

GINGER.—African is quoted on the spot 255s. per cwt., and shipment at 245s., i.f. Jamaican No. 3 is 350s. on the spot and 335s., c.i.f.

HONEY. — Australian light-amber is offered on the spot at from 110s, to 120s, per cwt, and medium-amber, 100s, to 108s. June delivery of Argentine is quoted at 135s., ex store and Jamaican new-crop at 140s. at 140s.

HYDRASTIS. - Root is 19s. 6d. per lb., on the spot.

offers of Colombian at 65s. per lb., and Nicaraguan at 70s. For shipment, Colombian is quoted at 63s. per lb., c.i.f.

JALAP ROOT. — Vera Cruz, untested is offered at 3s. 9d. per lb. Brazilian, 12·4 per cent., is quoted at 1s.  $10\frac{1}{2}$ d.

KOLA NUTS. — African halves continue short on the spot at about 6d, per lb. Jamaican are offered from 7d, to 7½d, as to holder

LIQUORICE. — Quotations for Anatolian are 70s. per cwt.; Russian, 65s. and Persian, 50s. Block juice quotations are 220s. per cwt. on the spot. Italian stick from 310s. to 475s. per cwt. duty paid.

MENTHOL.—Chinese is 55s. per lb., in bond and Brazilian, 55s. 6d., in bond.

NUTMEGS. — West Indian 80's quoted at 3s. per lb. on the spot and 2s. 8d., c.i.f., for shipment.

PAPAIN. — Spot value for East African grade one is from 17s. 6d. to 18s. per lb.

PEPPER. — Steady. White Sarawak on spot is now offering at 3s. 11d. per lb. with afloat parcels, 3s. 7d. to 3s. 7½d., c.if. Black Sarawak is 2s. 9½d., spot; afloat, 2s. 7½d. to 2s. 8d., c.if. Black Malabar has been sold on spot at 355s. per cwt. May shipment is 347s. 6d. per cutt c.if.

- Spot is quoted at about PIMENTO. 6s. 4½d. per lb.

PODOPHYLLUM. — *Emodi* is quoted at 150s. per cwt., ex wharf. *Peltatum* is now 400s. on the spot.

PSYLLIUM.—Indian seeds are quoted at 1s. 1d. to 1s. 2d. per lb. on the spot.

QUASSIA. — Spot quotations for chips are at about 45s.; May-June shipment is about 32s. 6d. per cwt.

QUILLAIA. — Whole bark to arrive offered at 220s. per cwt., landed terms. - Whole bark to arrive is

RHUBARB. - Chinese is scarce on the Spot. Quotations are from 7s. 9d. to 9s, 6d. per lb., duty paid, as to quality. Shipment offers were received at from 6s. 3d. for 60 per cent. pinky to 8s. 1d., c.i.f., for 80 per cent.

SAFFRON.—Mancha superior is 220s. per lb. Rio selecta about 215s.

SENEGA.—Spot supplies are 23s. 6d. per

SEEDS.—(Per cwt.). ANISE.—Tunisian quiet with sellers quoting 277s. 6d., spot duty paid. CARAWAY.—Dutch unchanged at 165s., spot duty paid. CELERY.—Indian at 105s., spot duty paid. CELERY—Indian is firmer; 150s., now quoted for spot. Coriander. — Quiet. Spot. Morocco 77s. 6d., duty paid (72s. 6d., in bond) with business reported under those figures; with business reported under those figures; Rumanian, 65s., duty paid and splits, 55s. Cumin.—Unchanged on spot with sellers of Cyprian at 125s. and Morocco, 126s., duty paid. Shipment: As the new crops are now offered for June-July shipment, prices have eased slightly. Cyprian, 105s., Morocco, 99s., c.i.f., London. Dill.—Indian is dull with sellers now offering at 67s. 6d. spot. Fennel.—Steady with Indian at 90s. and Chinese, 92s. 6d., duty paid. Fenugreek.—Firm. Morocco is 65s., duty paid and Lebanese, at 63s, 6d., duty paid. Mustard.—English 67s. 6d. to 90s., according to quality. to 90s., according to quality.

TURMERIC.—Madras finger, new-crop, now landing has been sold at 175s, to 180s, per cwt., landed terms. April-May shipment is 140s, to 142s, 6d, per cwt.,

Vanillin. — Rates (per 1b.) are: 5-cwt. lots, 30s.; 1-cwt., 30s. 3d.; 56-l 30s. 6d.; smaller quantities, 30s. 9d.

30s. 6d.; smaller quantities, 30s. 9d.

WAXES. — BEES'—Scarce on the spot.
Dar-es-Salaam, spot cleared; shipment,
520s., c.i.f.: Sudanese. 545s., duty
paid and 480s., c.i.f.; Abyssinian, spot
540s., duty paid; shipment, 480s., c.i.f.,
duty paid nominal and 490s., c.i.f. CanDELILLA.—Spot is 525s. per cwt. Forward,
570s., c.i.f. Carnauba.—Prime yellow on
the spot is 830s. per cwt., shipment, 785s.,
c.i.f.; fatty grey is 515s. on the spot;
shipment, 480s., c.i.f. Montan.—Reibeck,
crude, 165s. per cwt., f.o.b. Continental
port. Spermaceti.—Case lots are about
2s. per lb.

WITCH HAZEL LEAVES,—Offers are now 1s. 10d, per lb. on the spot.

#### **Essential and Expressed Oils**

AMBER. — Rectified on the spot is quoted at from 1s. 6d. per lb.

Angelica seed.—Price per lb. is now quoted at 260s.

ANISE.—Chinese is quoted at 19s. 6d. per lb. on the spot and 19s. 9d., c.i.f.

BAY.—West Indian is 12s. per lb. on the

BERGAMOT. - Spot quotations are now 67s. 6d. per lb.

BIRCH TAR.—Rectified is about 14s. per 1b. in 1-cwt. lots.

Bois de Rose.—Brazilian is 34s. 6d. per

lb. on the spot and 32s., c.i.f. CADE.—Spanish is about 2s. 3d. per lb.

on the spot for 1-cwt. lots. CAJUPUT. — Scarce. Spot supplies are 15s. 6d. per lb. for 1-cwt. lots.

CALAMUS. — Imported oils are offering

from 70s. per 1b. CAMPHOR, WHITE. — Chinese is 2s. 9d.

per lb., duty paid.

Cassia. — Original drums are about 14s. 6d. per lb. on the spot.

Castor. — In minimum 2-ton lots the price of pharmaceutical quality for prompt delivery is £116 per ton, naked ex mill. For June delivery the price is £114.

CEDARWOOD. - Scarce. Small lots on offer at 10s. 6d. per lb.

CHAMOMILE.—Finalish oil is offered at from 270s. to 288s. per lb.

CHENOPODIUM.—1-cwt. lots are 43s. per lb.

CINNAMON. — From quillings, English distilled is quoted at 30s. per oz. Other B.P. oils available down to 90s. per ib. Ceylon leaf, 13s. per lb., spot.

CITRONELLA. — Ceylon is unchanged at c.i.f. Formosan is steady at 12s. 6d. on the spot and 12s. 9d., c.i.f. Java is 12s. 6d. both in bond and c.i.f.

CUBEB.—English distilled is 50s. per lb. and imported, 47s. 6d.

JUNIPER BERRY. — Imported oils are offered from 16s. per lb., duty paid. English-distilled is now 155s.

LAVANDIN. — Spot is 18s. 3d. per lb.

LAVENDER. — Quiet. 38–40 per cent. linalol on the spot is 90s. per lb. 40–42 per cent., 100s., nominal.

LAVENDER SPIKE. - Spanish is firm at 14s. per lb.

LEMON. — B.P. (4 per cent. citral) on the spot is 35s. to 40s. per lb. Sicilian hand pressed, 45s. to 47s. 6d., spot; 44s., c.i.f. Californian, 28s. 6d. to 43s. 7\frac{1}{2}d., c.i.f., as to quality, subject to licence.

LEMONGRASS.—Spot is easier at 11s. 9d. per lb. and shipment at 11s. 3d., c.i.f.

OLIVE.—Spanish virgin and pharmaceu-OLIVE.—Spanish virgin and pharmaceutical oils (B.P.) are offered on the basis of £214 10s. per 1,000 kilos, f.o.b., Spanish ports for prompt shipment. Equivalent landed terms ex-wharf London/Liverpool: French virgin edible or B.P., £220 per 1,000 kilos, c. and f., prompt shipment. Spot is 21s. 6d. per

Otto of Rose.—Spot offers are in the region of 425s. per oz. for genuine Bulgarian and 180s. per oz. for Anatolian.

PENNYROYAL. — Spot value 18s. per lb. PEPPERMINT. — Arvensis: Chinese is 40s, per lb. on the spot and c.i.f. Brazilian, 33s., spot, and 31s. 6d., c.i.f. (May-June). Italian "Mitcham" type oil is from 72s. 6d. to 80s., spot, and American 60s. to 65s. 60s, to 65s.

ROSEMARY.—Spanish oil on the spot is from 5s. 3d. to 5s. 9d. per lb., duty paid, as to quality.

Rue.—Spot offers are from 14s. per lb. SAGE. - Spanish is offered at from 8s. 6d. per lb.

Sandalwood.—Mysore is 82s. 6d. p. lb. spot (80s., c.i.f.); East Indian, 80s.

SASSAFRAS. - Brazilian on the spot is 8s. per lb.

#### UNITED STATES REPORT

NEW YORK, MAY 10: With demand strong from all outlets, refined GLY-CERIN remains in tight supply. Com-mercial scale output of crystalline  $\beta$ CAROTENE brought a new price of \$400 per kilo with a potency of 1,600,000 to 1,670,000 U.S.P. units vitamin A activity per gm. (a decline of \$100). Also available now is a 24 per cent. semi-solid suspension of the crystalline form in vegetable oil at \$96 per kilo with a potency of 400,000 U.S.P. vitamin A units per gm. Pyridoxine Hydro-CHLORIDE at 46 cents per gm. is down nine cents. Among CRUDE DRUGS, Siam BENZOIN is higher at \$4.30 per lb. (up 30 cents) and PERU BALSAM lower at \$1.30 per lb. (down five cents). Oil EUCALYPTUS, 80-85 per cent., advanced five cents to 95 cents a lb. Lower per lb. among Essential Oils and Iso-LATES were Eugenol at \$2:50 (down 35 cents); U.S.P. CLOVE, at \$3.30 (20 cents); CEDARWOOD, 95 cents (15 cents), LEMON-GRASS, \$2·10 (10 cents) and BERGAMOT, \$9·25 (25 cents).

## TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," April 27

For adhesive substances (1) KINGSNORTH, 721,311, by Berry Wiggins

& Co., Ltd., London, E.C.4. For adhesives for industrial use (1)

COMPOVIK, 736,653, by Vik Supplies, Ltd.,

For chemical products used in industry, science, agriculture and forestry; and for manures (natural

and artificial) (1) Device, 736,183, by Rhodesian Industries Co. (Private), Ltd., Salisbury, Rhodesia.

For synthetic resins for use in manufacture (1) SYNOLIDE, 737,406, by Cray Valley Products, Ltd., Kent.

For photographic sensitised materials and photographic chenicals (1)

LITHODAK, 737,929, by Kodak, Ltd., London, W.C.2.

For chemical preparations being additives for mineral oils (1)

GLISSOVISCAL, 739,516, by Badische Anilin-& Sodafabrik, A.G., Ludwigshafen-on-Rhine, Germany.

For synthetic resias (1)

FURACRETE, 739,662, by Semtex, Ltd., London, N.W.1.

For non-medicated toilet preparatious (3)

FIELD'S Buckingham Lavender, 724,834, by J. C. & J. Field, Ltd., Amersham, Bucks, MEMOIRE, 736,739, by Elizabeth Arden, Ltd., London, W.1. MAGIE de LANCOME, Paris, France, B736,605, by Lancome, S.A., Paris, France, CHICKCHICK, 737,354, by Byrom Reagents, Ltd., London, S.W.8. BLUE GRASS

PERFUME MIST, 738,273, by Elizabeth Arden, Ltd., London, W.1, GREEN ICE, B738,600, by F. W. Hampshire & Co., Ltd., Derby, ISOTONE, 739,314, by Isoleum Products, London, N.W.11. Far dietetic foods and dietetic preparatious all

containing yeast or the essential constituents of yeast, for pharmaceutical purposes (5) FLORIL, B604,163, by Nord-deutsche Hefein-

dustrie, A.G., Hamburg, Germany.

Far all goods (5)

DOSILETS, B735,990, by Roche Products, Ltd., Welwyn Garden City, Herts, BECOTIN, 737,871, by Surendra Kumar Agrawal, London, S.E.13. BE-RO, 738,647, by Thomas Bell & Son, Ltd., Newcastle-on-Tyne,

For pharmaceutical preparations and substances for human use in the form of tablets and ampoules (5)

HORPHAG-11, 737,576, by Hormo-Pharma, Ltd., London, E.C.1.

For preparations for killing weeds (5) SUPERSEV, 737,899, by Fisons Pest Control, Ltd., Bourn, Cambs.

Far sanitary and disinfecting substances in liquid, pawder or solid form (5)

SCENTINEL, 737,869, by New Hygiene, Ltd., London, N.7.

For preparations for protecting and preserving plants, insecticides, fungicides and vermin de-stroying preparations and insect-repelling preparatians for human and veterinary use (5)

GUESAREX, 738,535, by J. R. Geigy, A.G., Basle, Switzerland.

Far veterinary preparations (5)

OBVET, 739,115, by Imperial Chemical (Pharmaceuticals), Ltd., Millbank, Westminster, London, S.W.1.

Far vitamin tablets being pharmaceutical preparatians (5)

MISUVITE, 739,357, by Castle Huskisson, Ltd., London, N.1.

For pharmaceutical preparations and substances (5)

WYN-TARRH, 739,412, by Amovon, Ltd., Bradford, Yorks. For pharmaceutical preparatious for use in the

treatment of the skin (5) ACTIVADERM, 739,455, by Maurice Lavril, Eure, France.

Far pharmaceutical preparations and substances

for use in the treatment of lumbago (5) LUMBARDYNE, 739,679, by James Lennox & Co., Glasgow.

For water-resistant adhesives (uot being stationery) (1)

LEPAGE'S BOND-FAST WATER RESIS-TANT, 732,563, by Le Page's Inc., Massachusetts. U.S.A.

#### From the "Trade Marks Journal," May 4

For non-medicated toilet preparations (3) MACOL, 726,406, by Horton Manufacturing Co., Ltd., Rickmansworth, Herts. CAUSERIE, 736,413, by Coty (England), Ltd., London, W.1. ELECTRIQUE, 734,022, by Max Factor & Co., Delaware, U.S.A.

For all goods (5)
CEDDELEN, 718,059, by Sepdelen-Werke,
ETIPRESSONE, G.m.b.H., Hamburg, Germany, EUPRESSONE, 736,057, by Roche Products, Ltd., Welwyn Garden City, Herts.

For pharmaceutical preparations for human use, excluding preparations for the treatment of epilepsy (5)

PAMINAL, 724,814, by Upjohn of England, Ltd., London, W.1.

For chemical substances for veterinary and phar-

maceutical purposes (5)
ASTRA, 731,544, by Astra Chemicals, Ltd., Bridgwater, Somerset.

For pharmaceutical preparations for the treatment

of nasal congestion (5)
TYZINE, 735,803, TYZANOL, 736,027, by
Chas. Pfizer & Co., Inc., Delaware, U.S.A.

For sleeping tablets being pharmaceutical pre-

RESTOIDS, 737,932, by Ulsalets, Ltd., Bolton,

For pharmaceutical skin preparations containing

sulphur or sulphur derivatives (5)
DERMASULF, 738,645, by The Crookes
Laboratories, Ltd., Park Royal, London,

For pharmaceutical preparations and substances

PEPSIPAN, 738,972, by J. R. Cave, Ltd., Southport, Lancs, FERCONI, 740,012, by Cupal, Ltd., Blackburn, Lancs.

For materials prepared for use in the manufacture of artificial deutures (5)

DURUSTON, FLEXICO, 739,400-1, Flexico Developments, Ltd., London, W.1.

For antibiotic preparations being pharmaceutical preparations (5)

COMBENCIL, 739,415, by Imperial Chemical (Pharmaceuticals), Ltd., London, S.W.1.

#### PRINT AND PUBLICITY

**Booklets and Leaflets** 

BEAUTISALES, LTD., 35 Old Bond Street, London, W.1: "Dandruff Arrested." Pp. 1.
"Dandruff." Pp. 4. "Gill's Dandruff Remover Shampoo." Pp. 6.

BRITISH OPTICAL & PRECISION ENGINEERS, LTD., 37 Mortimer Street, London, W.1: "Open the Door to a Vast New Home-Movie Market.' Pp. 16.

CORROSION PROOF PRODUCTS, LTD., 37 Portman Square, London, W.1: Technical Bulletins. Pp. 2. No. 5, "The Theory of Ionisation." Pp. 3.

Croda, Ltd., Snaith, Goole, Yorks: "The First Twenty-five Years." Describes the work and development of the company since 1925.

ODAK, LTD., Kingsway, London, W.C.2: "Kodak Brownie Cameras," "Kodak Reflex Type Cameras," "Kodak Folding Cameras." KODAK.

MURPHY CHEMICAL Co., LTD., Wheathamp tead, St. Albans, Herts: "The Control of Pests and Diseases of Farm and Market Garden Crops, 1955." Pp. 16, "Insecticides, Fungicides, Fungants, for Nurserymen." Pp. 124.

UNITED GLASS BOTTLE MANUFACTURERS, LTD., 8 Leicester Street, London, W.C.2: "The U.G.B. Group in England." Pp. 32, illustrated. Sent to shareholders with company's annual statement.

#### Advertising Campaigns

BEAUTISALES, LTD., 35 Old Bond Street, London, W.1: Gill's dandruff shampoo. In Daily Mirror, Star, Birmingham Mail, Blrmingham Evening Dispatch, Glasgow Evening Times, York-shire Evening News, Sheffield Star, Manchester Evening News, Newcastle Evening Chronicle, Nottingham Evening Post, Western Evening Herald, Liverpool Echo.

BEECHAM FOODS, LTD., Great West Road, Brentford, Middlesex: Quosh, "Massive" consumer advertising.

BEECHAM PHARMACEUTICALS, LTD., St. Helens, Lancs: Vitaminised Iron Jelloids. In national newspapers and on Radio Luxembourg.

BIOMETICA, LTD., Park Road, Barnet, Herts: Bu-to hair remover. In high-class women's magazines, including Vogue, Harper's Bazaar, The Lady, commencing first week in June. Nymor: In daily Press and women's magazines.

Byrom Reagents, Ltd., 130a Larkhall Lane, London, S.W.4: Chick-Chick egg shampoo. Press advertising.

CAMILATONE, LTD., Edgware Road, London, N.W.9: Tonrinz. In national magazines.

CHESEBROUGH MANUFACTURINO CO., LTD., Victoria Road, London, N.W.10: Vaseline petroleum jelly, hand cream, hair tonic, hair cream and shampoo. "More advertisements than ever."

COTY (ENGLAND), LTD., 3 Stratford Place, London. W.1: Coty cream powder, Campaign in national daily, evening and provincial newspapers and women's publications commences May 28.

CUSSONS, SONS & CO., LTD., Kersal Vale, Manchester, 7: Apple Blossom. In leading women's iournals

DELAVELLE, LTD., 38 Orsman Road, London, N.1: Blue Orchid perfume and stick perfume. In Daily Mirror, Picturegoer and women's periodicals.

WILLIAM EDGE & Sons, Ltd., Dolly Blue Works, Bolton, Lanes: Drummer pine disinfectant and air freshener. In national Press and women's magazines.

W. HAMPSHIRE & Co., LTD., Sunnydale, Derby: Loxene medicated shampoo, Half pages in Daily Express, Daily Mirror, Woman, Woman's Own, Woman's Weekly, Illustrated, and largest possible spaces in Daily Mail and Daily Herald.

ILFORD, LTD., 106 High Holborn, London, W.C.1: Ilford films. In Daily Express.

MODERN ELECTRICAL INDUSTRIES, LTD., Knotting-Yorks: Warmabed electric blankets. National advertising.

ORGANON LABORATORIES, LTD., Brettenham House, Lancaster Place, London, W.C.2: Endocil. Half pages in Vogue, Harper's Bazaar, Housewife, Good Housekeeping, Woman's Journal, Woman and Beauty, Vanity Fair, Vogue Beauty Book.

PHILIPS ELECTRICAL, LTD., Century Shaftesbury Avenue, London, W.C.2: New poster for Philishave electric razor, On London and Glasgow Underground railway stations; in Press and on Radio Luxembourg.

ROBERTS WINDSOR SOAP Co., LTD., Colwick, Nottingham: Roberts Windsor toilet soaps. In Punch, Tatler, Country Life and women's publications.

ROZALEX, LTD., 10 Norfolk Street, Manchester: Barrier creams. In leading women's journals.

Scherk, Ltd., 66 Victoria Street, London, S.W.1: Scherk face lotion and face milk, In Woman, Woman's Own, Woman and Beauty, Photoplay, Picturegoer.

SOUTHALLS (BIRMINGHAM), LTD., Charford Mills, Saltley, Birmingham, 8: Blue Star sanitary towels. National advertising campaign.

. J. White, Ltd., Coldharbour Lane, London, S.E.5: Murine eye drops, In national daily and Sunday Press,

ZING PEN Co., LTD., Rainsford Road, London, N.W.10: Zing retractable ball pen, In national daily and Sunday papers beginning in May and continuing through the summer and autumn. On London bus-fronts from mid-May to end of August, In provincial evening and weekly papers from June to August,

#### Price Lists

MURPHY CHEMICAL Co., LTD., Wheathampstead, Herts: Insecticides, Fungicides, Fumigants for Horticultural and Agricultural Use. Spring 1955, Pp. 28,

PAINES & BYRNE, LTD., Pabyrn Laboratories, Greenford, Middlesex: Price list, 1955, Pp. 26.

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex: Cumulative amendment to 1955 list of medical products, Pp. 6.

POLAK & SCHWARZ (ENGLAND), LTD., 50 Great Cambridge Road, Enfield, Middlesex: Aromatic chemicals, April/May 1955, Pp. 12,

#### Catalogues

James A. Jobling & Co., Ltd., Sunderland, England: "Pyrex Laboratory and Scientific Glassware." Pp. 132.

#### Demonstration Van Tour

PHILIPS ELECTRICAL, LTD., Shaftesbury Avenue, London, W.C.2: Philishave mobile demon-stration units visit more than 150 agricultural shows between April and October.

#### Display Material

ZING PEN Co., LTD., Rainsford Road, London, N.W.10: Zing retractable ball pen. Single pen showcard, twenty-four-pen showcard, window sticker and double crown poster, in red, yellow and blue.

#### **COMING EVENTS**

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

#### Sunday, May 15

NATIONAL PHARMACEUTICAL UNION, Area meeting for Derbyshire, Leicestershire, Lincolnshire, Nottinghamshire, Rutland, Staffordshire, South Yorkshire, Birmingham and Sheffield, Bath Hotel, Matlock Bath. At 11 a.m., church service; at 12.30 p.m., luncheon; at 2.15, ladies' excursion; at 2.30, area meeting; at 4.30, tea; at 5, area meeting (continued).

#### Monday, May 16

PORTSMOUTH BRANCH, PHARMACEUTICAL SOLIETY, Pendragon Hotel, Clarence Parade, Southsea at 8 p.m. Visit of Franco-British Pharmaceutical Commission, Professor Truhaut on "Phytopharmacy,'

#### Wednesday, May 18

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY, Whitefield. Fixture to play for the Ucal trophy and prize,

ROYAL SOCIETY OF ARTS, John Adam Street, Adelphi, London, W.C.2, at 2.30 p.m., Sir Alexander Todd (professor of organic chemistry, Cambridge University) on "Some Recent Developments in the Chemistry of Nucleic Acids" (Pope memorial lecture). Applications for tickets to the secretary of the Society at the above address,

SOUTH LONDON AND SURREY PHARMACISTS GOLFING SOCIETY, Croham Hurst Golf Club, South Croydon, at 1.30 p.m. Bogey competition for the Scotia bowl. Further details from Mr. G. G. Watt, 99 Streatham Vale, London, S.W.16.

THAMES VALLEY PHARMACISTS' ASSOCIATION. Kingston Hotel, Kingston, at 7.45 p.m. Mr. C. L. Clarke (Kodak, Ltd.) on "L.S.D.—Luck, Skill and Disaster."

#### Thursday, May 19

FINCHLEY DIVISION, NORTH LONDON PHARMACEU-TICAL ASSOCIATION, Kingsway, North Finchley, at 2 p.m. Coach for visit to London Airport.

SOMERSET BRANCHES, NATIONAL PHARMACEUTICAL Union and Pharmaceutical Society, Albert Hotel, Beach Road, Weston-super-Mare, at p.m., N.P.U. Branch annual meeting; at 5 p.m., tea; at 6 p.m., Pharmaceutical Society Branch annual meeting; at 7.30 p.m., combined meeting. Address by Mr. H. Noble (secretary, N.P.U.).

#### Friday, May 20

UNIVERSITY OF LONDON, St. Thomas' Hospital Medical School, Albert Embankment, London, S.E.1, at 5 p.m. Professor V. Erspamer (professor of pharmacology, University of Bari) on "The Biological Significance of 5-Hydroxytryptamine and Related Substances."

#### Saturday, May 21

HUDDERSFIELD TECHNICAL COLLEGE DRAMA GROUP, Guides hall, Leeds Road, Hudders-field, at 7.30 p.m. "The Women Have Their Way," by Quintero Brothers, preceded by "The Dark Lady of the Sonnets," by George Bernard Shaw, Ticket 2s, 6d, Two-thirds of proceeds to the Pharmaceutical Society's Benevolent Fund,

## C. & D. WEEKLY LIST OF PRICES

A=Advanced; R=Reduced; I.R.P.=Inclusive Retail Price; \*=Tax 25 per cent.; ‡=Tax 50 per cent.; †=Tax 75 per cent.

BENBOW'S DOG MIXTURE May 1)	CO	).,	LTD.	(fr	om
	Do	z.	1.1	R.P	
Benbow's skin ointment for					
dogs* 1 oz.	10	0	1	51	A
B.G.P. (COSMETICS), LTD.	(fro	ın	Inly	1)	
Lipe-cote†	19	0	3		A
EUCRYL, LTD. (from May 2)					
Eucryl tooth powder*	7	4	1	0	A
-	10	8	1	6	A
Eucryl tooth powder with o	chlor	opt	yll is	a	lso
advanced as above.					
Eucryl denture powder	7	4	1		A
	10	8	1	6	A
Eucryl tooth paste	10	8	1	6	A
KAY BROS., LTD. (from May 16)					
Era moth killers 4	10	8	1	4	R
	gre	088			
36	32	0	R		
	Do	oz.			
Octets moth killers	4	0		6	R
Slog-a-slug slug killer	10	0	1	3	R
NAME AND ADDITIONS AND DATES					

### NEW PRODUCTS AND PACKS

BAYER PRODUCIS, LID.	Ea	ch		
Neophryn with antihista- mine	2	8	4	0
COTY (ENGLAND), LTD.  Muguet des Bois perfume travel pack†			15	6
THE CROOKES LABORATO Personal blend liquid	RIE	ES,	LTD.	
foundation cream† single bottle†	6	0 3	13 6	6 9

Gioria shampoo	-	U
PARKE, DAVIS & CO., LTD. Bardase liquid 4 fl. oz. 16 fl. oz.	6 22	1 ½ 2
ZING PEN CO., LTD. Doz. Zing retractable ball pen* 6 10	1	0
DUOTOCD ADILIC DEDADT	'78. AT 107	יתיו

D. & W. GIBBS, LTD.

#### PHOTOGRAPHIC DEPARTMENT NORTH STAFFORDSHIRE PHOTOGRAPHIC SERVICES (from May 16)

Edixa II S.V.S.	522	4	R
Edixa II V. or Edixa II P. Edixa I.V.	410 295		R R
Edixa I,S.	251	9	R
AGILUX, LTD. Agiflex III camera:			
with f/3.5 lens	1,900	0	
with f/2.8 lens	2,200	0	

#### P.A.T.A. PROTECTED LIST

(Prices notified this week by the Proprietary Articles Trade Association.)

HALL, FORSTER & CO., LTD. (addition to the protected list)
Iglodine salicylated\* 21 0

WILLIAM R. WARNER & CO., LTD. (addition to the protected list)
Gelusil tablets\* 20 16 6 2 3

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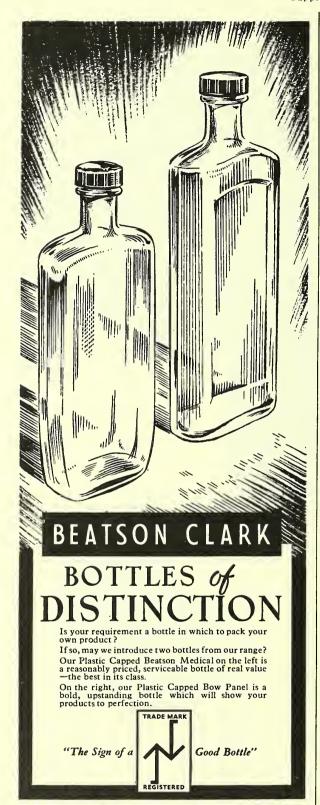
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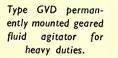
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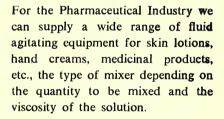
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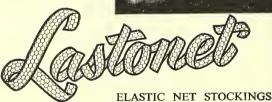
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The fact is that, without looking at the backs of your teeth, you cannot even see *where* they need cleaning, let alone do the job really properly.

That is why we have introduced the Wisdom Mirror Brush. This consists of a Wisdom Flextron toothbrush with a dental mirror at the other end. It is a simple and obvious idea but the difference it makes to tooth-cleaning is amazing. For the first time you can see the backs of your teeth—where most dental troubles start. You can see the danger spots that need attention most—and watch the progress you make in cleaning them up.

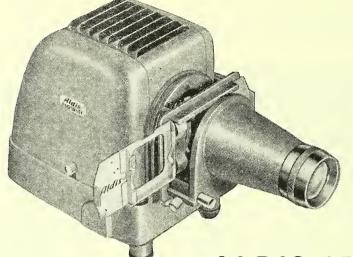
If only for the difference it can make to your own teeth you should try the Wisdom Mirror Brush. But the Mirror Brush is equally valuable to all your customers who still have their own teeth. That means it can be a very profitable line to handle. Big space advertising for the Wisdom Mirror Brush will shortly be appearing in all the leading nationals. Put it on display on your counter and tell your customers about this important innovation in dental hygiene. Retail price is 2/6. Mirror Toothbrush orders count towards Wisdom quantity terms in the usual way.



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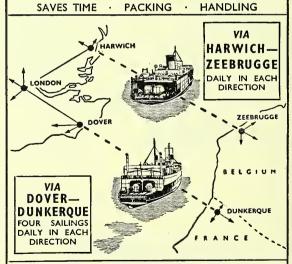


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For that EXTRA business, tie in with the

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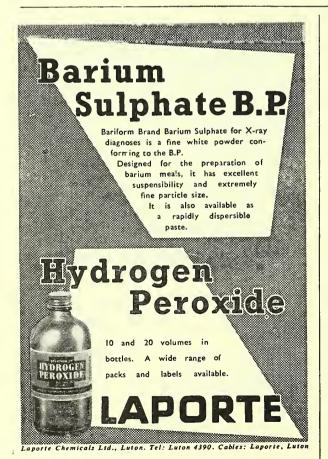
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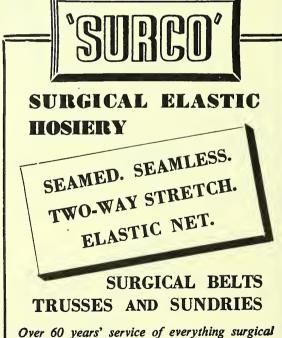
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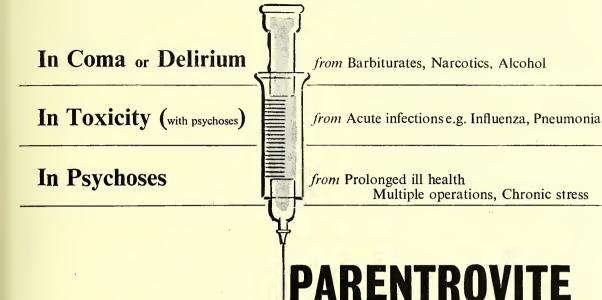




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High Potency	13/2	9/9	*The basic cost to the N.H.S. is the same as the price to the Chemist.
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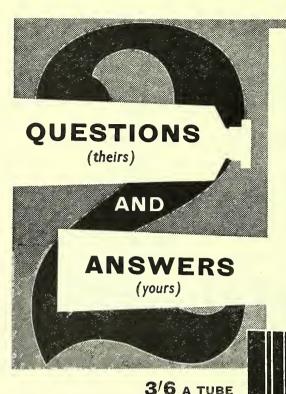


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#### THIS FREE-OF-COST CABINET

just answers the problem of how to keep your

PILL

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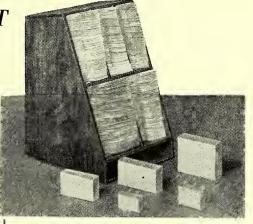
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It is not easy to keep pill cartons compact and at the same time convenient. But it is easy with the Certor Pill and Tablet Carton Cabinet—a new cabinet which will be an aid to efficiency in the dispensary. You simply fill up the five sections with cartons of the appropriate size, and you have at hand any size you want whenever you want it.

And this neat, useful, strongly-made cabinet is free of cost! You get it free with order for Certor Pill and Tablet Cartons, It is a cabinet which will prove its usefulness in every dispensary. The cartons are kept clean and tidy, and there is no waste through dust or soiling.

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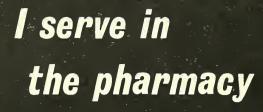
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B.B.O. 'Three

Many pharmaceutical and medical formulæ benefit from the mild antiseptic, buffer and cleansing properties of '20 Mule Team' Borax and Boric Acid. They are used in medicated dressings, talcum powders, eye lotions, and in many other applications. You are invited to consult our Technical Department on the properties of '20 Mule Team' products. Bulk supplies of '20 Mule Team' Borax and Boric Acid may be obtained through your usual wholesaler.



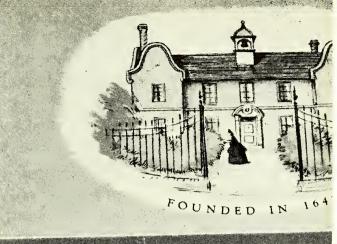
## 20 MULE TEAM BORA

BORAX CONSOLIDATED, LIMITED Regis House · King William Street · London EC4



pays you

well to display it well





Every time you sell a 10d tablet of soap instead of a 6d tablet you boost your turnover by 66%. This is why it pays to display Field's—the soap with the wonderful lavender perfume, the attractive packing, the big publicity.

Field's sells easily because it is backed by full-page, full-

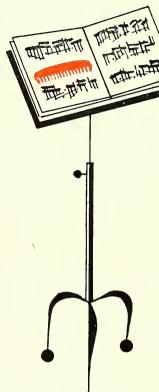
colour advertising in women's magazines—and it repeats because

it is such a very good soap.



## Let them see Field's

Buckingham Lavender



## no dandruff on my com

to a clean, healthy condition. Then—with

further care—the patient's scalp remains free from
scaling, itching and burning of seborrhoeic dermatitis for
to four weeks. Clinical reports covering more than 400 c.
show that selsun controls 92 to 95 per cent of common dandruff ca
81 to 87 per cent of all seborrhoeic dermatitis cases. selsun is remained by simple to use. Patients just add it to their regular hair-wash
routine. It rinses out easily, leaves the hair and scalp clean
easy to manage. selsun Suspension is available in 2

4 fluid ounce bottles, with special direction last



SELSUI (SELENIUM SULPHIDE, ABBOTT)

Try SELSUN yourself and prove its effectives:

ABBOTT LABORATORIES LIMI



I inical literature will gladly be sent on request.

IVALE ' GREENFORD ' MIDDX.

Albott

## For Quality Glass Containers— and excellent service

- DISPENSING BOTTLES
  1-oz to 20-oz
- RIBBED OVALS
- Nos. 1 to 7½ sizes
- ROUND SCREW JARS Tall and Semi-squat
- BOW-FRONT PANELS
  1-oz to 8-oz and 16-oz.
- PANELLED FLATS
- VIALS ½-oz to 3-oz
  - OLIVE OIL BOTTLES

WHOLESALE ONLY

#### NATIONAL GLASS WORKS (YORK) LTD

FISHERGATE, YORK. Tel. YORK 3021 ALSO AT: 105 HATTON GARDEN, LONDON, E.C.I TEL: HOLBORN 2146

Packed in easily handled cartons

TRADE MARK



Piperazine

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### 'Own Lines'

mean better profits!

Sodium Lauryl Sulphate for Powder and Cream Shampoos.

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Triethanolamine Lauryl
Sulphate for Liquid
Shampoos.

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make up your own

SHAMPOOS and HAIRWAVING SOLUTIONS



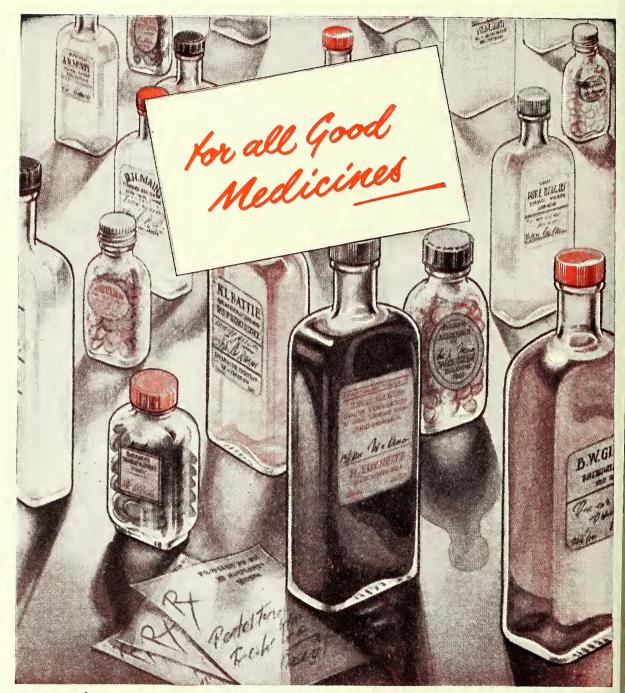
All essential ingredients supplied in small quantities for trial purposes.

Laboratories Ltd

Consult TAYLOR REESON

23-28 PENN STREET, LONDON, N.1

Telephone: SHOreditch 5125/6











#### UNITED GLASS BOTTLE MANUFACTURERS LIMITED

8 LEICESTER STREET, LONDON, W.C.2

Telephone: GERRARD 8611 (18 Lines)

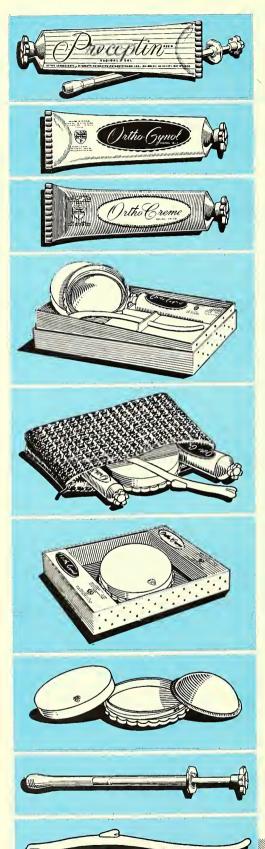
Telegrams: UNGLABOMAN, LESQUARE, LONDON



MONSANTO CHEMICALS LIMITED

Victorió Stotion House, Victorio Street, London, S.W.1







the ethical name in contraception

Preceptin Vaginal Gel: contraceptive gel for

use without a diaphragm.

Package A: 85 gm. tube, with Ortho Applicator.

Package B: 85 gm. tube.

Ortho-Gynol: contraceptive jelly.

Package A: 85 gm. tube, with Ortho Applicator.

Package B: 85 gm. tube.

Ortho-Creme: contraceptive cream.

Package A: 75 gm. tube, with Ortho Applicator.

Package B: 75 gm. tube.

#### Ortho-Gynol Set:

85 gm. tube of Ortho-Gynol

Ortho Diaphragm | in sizes 55 to 95

Ortho Diaphragm Introducer (in 5 mm. gradations).

Ortho-Creme Set: as Ortho-Gynol Set with tube of Ortho-Creme instead of Ortho-Gynol in sizes 55 to 95 (in 5 mm. gradations).

Ortho De Luxe Kit: containing full size Ortho-Gynol, trial size Ortho-Creme, Ortho Diaphragm and Diaphragm Introducer in woven plastic zipper bag. Sizes 55 to 95 mm. (in 5 mm. gradations).

Ortho Diaphragm Duo-Pack: containing: Ortho Diaphragm in sizes 55 to 95 (in 5 mm. gradations).

Trial size Ortho-Gynol. Trial size Ortho-Creme.

Ortho Diaphragm: coil spring, sizes 55 to 95 (in 5 mm. gradations).

Ortho-White Diaphragm: flat spring, sizes 55 to 95 (in 5 mm. gradations). Each Ortho Diaphragm is packed in a permanent and beautiful plastic box.

Ortho Applicator: for vaginal application of measured dose (5 cc.) Ortho-Gynol, Ortho-Creme or Preceptin Vaginal Gel.

Ortho Diaphragm Introducers individual introducers to accommodate diaphragms sizes 55 to 95 (in 5 mm. gradations).



Ortho Pharmaceutical Limited

HIGH WYCOMBE · ENGLAND

## Something they can trust

The public likes something reliable, something with dependable high quality. A faithful following is the public's response to trustworthy products that give real satisfaction.

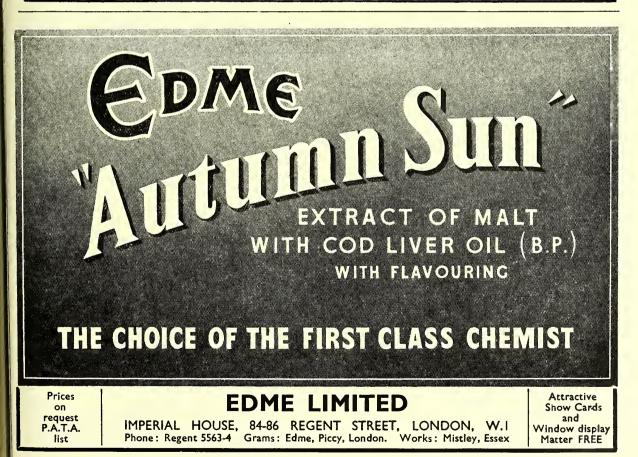
Such is the popularity of

## CUTICURA SOAP CUTICURA OINTMENT CUTICURA TALCUM POWDER CUTICURA SHAVING STICK

There is a growing circle of discriminating people who appreciate high quality and insist on these soothing, protective, fragrant, mildly medicated Preparations, for care of the skin. Just display one each of these eye-catching firm family favourites in your attractive window, and make sure this steady all-the-year-round business comes your way.

CUTICURA SOAPS, OINTMENTS AND SHAVING STICKS HAVE ALWAYS CONTAINED CHLOROPHYLL

325



## NEW



Colour Crème

### ADVERTISED ON A GRAND SCALE

- Easily and quickly applied in one application
- Conditions as it tints, leaving the hair silky soft
- Absolutely permanent and indetectable
- Does not affect permanent waving
- Created in the 18 world-famous standard Inecto shades
- Attractive pack with picture directions for use

From your
usual
wholesaler
Price 3/4 complete
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NEW

INECTO HOUSE, 27 DOVER ST., LONDON W.1

HYDE PARK 7541 (12 lines)





#### CLASSIFIED ADVERTISEMENTS

Supplement

28 ESSEX STREET, STRAND, LONDON, W.C.2 

#### & COMPANY ORRIDGE

184 STRAND, W.C.2 Tel.: TEMple Bar 9212/3 & 6340

CHEMIST BUSINESS TRANSFER AGENTS AND VALUERS WHOLESALE AND RETAIL BRANCHES: BIRMINGHAM · SOUTHAMPTON · LIVERPOOL · SHEFFIELD · CARDIFF

Irish Representative: Mr. J. A. Bassett, Ph.C., 57 Great Victoria Street, Belfast, Northern Ireland. Tel: Belfast 27078 

#### PREMISES FOR SALE

17/6 for 36 words (min.) then 4d. per word. Box 2/-

AT ICKENHAM, Middlesex, near Ruislip. Newly erected shop with living accommodation, established trading position, middle-class district, All traders doing well. Population about 7,500, rapidly increasing, Only one other chemist in district. Freehold £5,100. Sole agents, Peckham & Partners, Long Lane, Ickenham, Ruislip 2257. C 8511 UNRESTRICTED FREEHOLD SHOP premises in multiple position adjoining station. Forest Gate, E.7, Large double-fronted shop with spacious living accommodation over. Excellent order throughout, Price £5,250, Particulars from L.I.M.C.O., 18 Upper Brook Street, W.1. C 2530

#### PREMISES TO LET

WELHAM GREEN, Nr. HATFIELD. Excellent opening for chemist in new shops, with flats over, being erected in rapidly expanding neighbourhood, For particulars apply to C, F. Day, Ltd., 705 High Road, North Finchley, N.12. Tel.: Hillside 3611/2. C 2485

#### BUSINESSES FOR DISPOSAL

17/6 for 36 words (min.) then 4d, per word. Box 2/-

CROYDON. Drug store, herbal and photo business. Main road, bus stop, Smart shop, Good living accommodation, Net profit £720, Pr.ce £850, plus s.a.v. (about £630), Owner retiring. "R," 309 London Road, Croydon.

DRUG STORE, North London double-fronted shop, well fitted, good photographic counter, ideal for chemist, Opt.cal room, dispensary and waiting room. First-class position, busy junction, long lease at £312. May also incorporate chiropody, £1,500. Box C 2528.

FOR SALE, Ideal situated chemist shop in main street of Cambridge, Beaut.fully furnished, used only as drug store but dispensing is urgently needed in that district. A promising income for qualified chemist. Large room for dispensing in the rear. Hot and cold running water, w.c. Long lease, £250 per annum, Pr.ce £600, Apply Box C 2505.

LEICESTER. Chemist's business premises. Modern, £1,500. Fixtures and fittings at valuation, Stock value adjusted to suit prospective purchaser, Health, reason for sale, Box C 2527.

#### **APPOINTMENTS**

18/- per half-inch (min.) and pro rata.
Box 2/-

#### BRISTOL MENTAL HOSPITAL

BRISTOL MENTAL HOSPITAL MANAGEMENT COMMITTEE

Assistant in Dispensing
Applications are invited from persons holding the Certificate of the Society of Apothecaries of London, or equivalent, for the post of Assistant in Dispensing in the Bristol Mental Hospital Group, Inter-hospital transport provided, Salary £350 at age 22 or over rising to £450. Hospital or Local Health Authority service since July 5, 1948 and after attaining age 22 would attract higher commencing salary. Apply, giving full details and names of two referees, to the Secretary, Bristol Mental Hospital, Fishponds, Bristol.

C 8522

#### BOSTON COMBINED HOSPITALS

(319 beds) Pharmacist

required. Modern department, Nationally negotiated conditions and salary, at precent £450 x £25(5)—£575.

£450 x £25(5)—£575.

Apply, stating age, qualifications, experience (if any) and names of two referees, to the Hospital Secretary, Boston General Hospital, Boston, Lines, Locum welcomed for interim period, salary £14 14s. per week.

BOW GROUP HOSPITAL
MANAGEMENT COMMITTEE
Chief Pharmacist
required at POPLAR HOSPITAL, East India
Dock Road, London, E.14, Salary scale £680
x £25—£780 p.a. plus London Weighting
Allowance, Post becomes vacant July 1, 1955,
Application forms from the Group Secretary,
Bow Group H.M.C., 24 Bow Road, E.3.
C 8457

### BOW GROUP HOSPITAL MANAGEMENT COMMITTEE Pharmacist

Pharmaeist

(Part-time: 24 hours per week) required at POPLAR HOSPITAL, East India Dock Road, E.14. Rate of pay 26s, per 4-hour session. Application forms from Group Secretary, 2A Bow Road, E.3. C 8485

#### BROOK GENERAL HOSPITAL, SHOOTERS HILL ROAD, WOOLWING

Senior Pharmaeist
This is an expanding hospital of 470 beds and includes Regional Centres for Neuro and Thorac'c Surgery. Whitley Council salary and conditions, Apply to Group Secretary, Memorial Hospital, Woolwich, S.E.18.

CENTRAL ELECTRICITY
AUTHORITY,
EAST MIDLANDS DIVISION
Applications are invited for the following position within the Division:—
General Assistant Engineer (Chemist)
Staythorpe Power Station, Near Newark
Vacancy No. 74/55
Candidates must have had a sound technical training and some previous laboratory experience, and should hold the Ordinary National Certificate in Chemistry (or equivalent qualifications).

cations). Salary will be within Class J, Grade 16 (£515 x £15—£560 per annum) of the National Joint Board Agreement. Closing date for receipt of applications May 30, 1955.

This appointment will be pensionable within the terms and provisions of the Central Electricity Authority and Area Boards Superannuation

Scheme.
Applications should be submitted on the official form A.E.6/ACT which may be obtained from the Divisional Establishments Officer, Central Electricity Authority, P.O. Box 25, Barker Gate, Nottingham, and should be returned to the undersigned by the date stated, Please quote Vacancy Number. Gate, Formal by the undersigned by the undersigned by the quote Vacancy Number.

L. F. JEFFREY,
Divisional Controller,
C 8519

#### BROOKWOOD HOSPITAL

BROOKWOOD HOSPITAL MANAGEMENT COMMITTEE
Assistant in Dispensing
Applications are invited for the post of Assistant in Dispensing. The successful candidate will be required to work under the supervision of the Ch ef Pharmacist, who is responsible for the preparation and issue of drugs and dressings for about 1,750 patents. The salary scale (£140 per annum at age 16, rising to a maximum of £435 rer annum) and conditions of service are in accordance with the recommendations of the Professional and Technical Council B of the Whitley Council, The appointment is subject to the provisions of the National Health Service Superannuation Regulations, and the successful candidate will be required to pass a med cal examination. Accommodation available for single candidate, for which a charge of 38s, per week will be which a charge of 38s, per week will be

for which a charge of the made.

Applications, giving particulars relating to age, experience and qualifications, together with copies of two recent testimonials to be sent to the Physician-Superintendent, Brookwood Hospital, Knaphill, Woking, Surrery, as soon as possible.

C 8453

CENTRAL ELECTRICITY
AUTHORITY,
EAST MIDLANDS DIVISION
Applications are invited for the following
position within the Division:—
Fourth Assistant Engineer to Divisional
Chief Chemist
Vacancy No. 68/55/C&D
Previous power station experience is not essential but candidates should preferably have had previous industrial experience in one or other of the following fields:—
Air and water pollution, water treatment,

previous industrial experience in one or other of the following fields:

Air and water pollution, water treatment, fuel testing, lubrication, paint technology, inorganic analysis, or metallurgy and should hold the Ordinary National Certificate in Chemistry (or equivalent qualification).

The position will be located in the first instance at Staythorpe Power Station near Newark, and ultimately in Nottingham, Salary will be in accordance with Class AX/DX, Grade 6 (£600—£785 per annum) of the National Joint Board Agreement.

Closing date for receipt of appl.eations May 23, 1955.

This appointment will be pensionable withIn the terms and provisions of the Central Electricity Authority and Area Boards Superannuation Scheme.

Applications should be submitted on the official form A.E.6/ACT which may be obtained from the Divisional Establishments Officer, Central Electricity Authority, P.O. Box 25, Barker Gate, Nottingham, and should be returned to the undersigned by the date stated. Please quote Vacancy Number. Vacancy Number.

L. F. JEFFREY, Divisional Controller, C 8466

## CENTRAL MIDDLESEX

CENTRAL MIDDLESEX
HOSPITAL,
PARK ROYAL, N.W.10
Locum Pharmacist
required for several months from June 6, 1955.
Applications stating age, qualifications and experience, with names of two referees to Chief Pharmacist. Salary £14 to 16 gns. a week according to experience.

C 8473

'UNISEC' from the Single Unit to the Complete Pharmacy E FOR YOUR COPY OF THE STANDARD REFERENCE OF PHARMACY FITTING OLD ST. of 133/5 & 141/7 OLD STREET, LONDON, E.C.I



#### Appointments—Continued

#### **FULHAM AND KENSINGTON** HOSPITAL MANAGEMENT COMMITTEE. FULHAM HOSPITAL, ST. DUNSTAN'S ROAD, HAMMERSMITH, W.6

Assistant in Dispensing (Apothecaries' Hall Certificate)

Applications stating age and full particulars and names of two referees to Hospital Secretary (C.D.103), immediately.

C 8445

#### HILL END HOSPITAL,

HILL END HOSPITAL,
ST, ALBANS, HERTS
Locum Fenens Chief Pharmacist
non-resident, required at the above Hospital,
half-an-hour's train journey from Central London, from July 18 to September 3, 1955, Salary
£15 15s, per week. Applications to Ho-pital
Secretary,
C 8467

HOUNSLOW HOSPITAL,
STAINES ROAD,
HOUNSLOW, MIDDLESEX
Chief Pharmacist
Applications are invited for the post of Chief
Pharmacist (single-handed). Category II Hospital. Salary and conditions in accordance with
Pharmaceut.cal Wh tley Council, New award
pending, Post vacant May 26, 1955, Apply to
Hospital Secretary, giving full personal particulars and copies of two recent testimonials or
names for reference. C 8468

### KING GEORGE V HOSPITAL FOR DISEASES OF THE CHEST, GODALMING, AND MILFORD CHEST

HOSPITAL,
GODALMING, SURREY
Locum Chief Pharmacist
required for four weeks commencing June 13,
1955, Salary from 14 guineas per week, according to experience, Part-time appointment would be conside ed.

Applications to the Physician Superintendent, King George V Hospital, C 8521

## MAIDENHEAD HOSPITAL, ST. LUKE'S ROAD, MAIDENHEAD

MAIDENTEAD
Locum Pharmacist
required from June 13-18 and from September
26 to October 7. Applications to Hospital
C 8490

MINISTRY OF HEALTH

Technical Officer II (Pharmacist)

The Civil Serv.ce Commissioners invite applications for this permanent post, Headquarters in London, but some travelling entailed.

Age at least 24 on March 1, 1955. Candidates must be Pharmaceutical Chemists and should normally be F.P.S. or hold a university degree in pharmacy. Practical experience (preferably for at least three years) of drug manufacture, or hospital or retail pharmacy, or wholesale drug trade, or teaching of pharmacy essential. Inclusive starting salary (men) for 45½-hour week in London from £642 at age 24 to £750 at age 28 or over, Maximum £907. Women's scale somewhat lower, but subject to improvement under Equal Pay scheme. Promotion prospects.

prospects.
Full particulars and application forms from Secretary, Civil Service Commission, 6 Burlington Gardens, London, W.I., quoting No. 4460/55. Completed applications must be returned by June 3, 1955.

#### MANSFIELD HOSPITAL MANAGEMENT COMMITTEE

MANAGEMENT COMMITTEE
Pharmacist

Applications are invited for the post of Pharmacist with the above Management Committee,
The main Pharmaceutical Department in the
Group is situated at King's Mill Hospital,
Sutton-in-Ashfield, with a subsidiary Pharmacy
at the Mansfield and District General Hospital,
Salary—£450 by £25 to £575.
National Health Service Whitley Council conditions, Appl.cations stating age, qual fications,
together with the names of two referees to be
forwarded as soon as possible to the Group
Secretary, Mansfield Hospital Management
Committee, Crow Hill Drive, Mansfield, C 209

#### MEMORIAL HOSPITAL,

WOOLWICH, S.E.18
Applications are invited for the following appointments:—

appointments:

Deputy Chief Pharmacist
(Category IV), Dut'es will include responsibility
for the preparation of sterile solutions,

Pharmacist
Applications are invited from those who have
qualified recently. The department also deals
with the requirements of subsidiary hospitals
and provides excellent experience,
Whitley Council scales of salar'es. Apply to
Group Secretary, Memorial Hospital, Woolwich,
S.E.18.

C 8476

NAPSBURY MENTAL HOSPITAL,
Near ST. ALBANS
(over 2,000 Beds)
Dispensing Assistant
required. The Hospital is pleasantly situated and is only 18 m les from London, There are two other Dispensers in the Department, Salary according to Whitley Council scale, age 20, £240 p.a., 21, £275 p.a., 22 or over, £335 rising to £435 p.a. Preference will be given to holders of the Certificate of the Soc ety of Apothecaries of London, or equivalent, for which an additional payment of £15 per annum is payable. Single accommodation can be provided at a reasonable charge.
Written applications with full details of age, exper ence, qualifications, etc., with names and addresses of two persons to whom reference may be made, to be sent to the Group See etary.

C 8345

#### NATIONAL PHARMACEUTICAL UNION Pharmacist

Pharmacist required, or widely experenced unqualified person for Informat on Department. Dut es require an enquiring mind and the ability to deal with extensive range of enquiries on pharmaceut cal, medical and allied subjects. Applications stating salary required, to Secretary, National Pharmaceut cal Union, 4/5 Queen Square, London, W.C.1.

#### **NEWMARKET GENERAL** HOSPITAL

HOSPITAL
Locum Pharmacist
required for relief duty from May to September. Shorter period would be considered, Salary 17 guineas per week.
Applications with full details and names of referees to Group Secretary, Newmarket General Hospital.

C 8526

## SOUTH-WEST MIDDLESEX HOSPITAL MANAGEMENT COMMITTEE, WEST MIDDLESEX HOSPITAL, ISLEWORTH Locum Tenens Pharmacist required from June 13, 1955, for an indefinite period, Salary 14 guineas per week, Applications to Chief Pharmacist, C 8415

#### ROYAL BERKSHIRE HOSPITAL, READING

READING
(Category V)
Senior Pharmacist
for Group Pharmaccutical Department, Opportunities for experence in all branches, Full supporting staff, Pretent salary £525-£625 p.a. (subject to inc.ease on publication of latest Whitley Council award) plus extra for overtime sessions, Apply stating age, qualifications, experience and names of two referees to Group Pharmacist.

C 216

#### SPRINGFIELD HOSPITAL,

SPRINGFIELD HOSPITAL,
UPPER TOOTING, S.W.17
Assistant in Dispensing
Salary according to ase on Whitley Counci
scale (£180 at 18 to £435 p.a.) plus London
Weighting (£10 to £30 p.a.). Certificate of
Society of Apothecaries of London or equivalent, escential, for which additional £15 p.a.
payable. Apply, stating age, qualifications, experience and two referees to Group Secretary
C 8510

ST. NICHOLAS HOSPITAL,
TEWSON ROAD,
PLUMSTEAD, S.E.18
Senior Pharmacist
required at this General Hospital (348 beds)
with busy out-patient clinics. The department
deals with a wide variety of work. Whites
Council salary and conditions. Apply to
Group Secretary, Memorial Hospital, Woolwich, S.E.18. C 8487

## STOCKPORT AND BUXTON HOSPITAL MANAGEMENT COMMITTEE,

COMMILITEE,
STOCKPORT INFIRMARY
Locum Pharmacist
required. Salary £15 rer week. Applications to
Group Secretary, 59B Shaw Heath, Stockport
C 8465.

## ST. PETER'S HOSPITAL, CHERTSEY, SURREY

(404 Beds)
Pharmaelst
required, Salary and conditions of service to accordance with Wh.tley Scale, Accommodation available for single woman at £135 p.a, Applications stating age and experience with name of two referees to Hospital Secretary. C 852:

#### THE LONDON HOSPITAL,

THE LUNDON MOST THE WHITECHAPEL, E.1 Locum Registered Pharmacist required until June 20, 1955. Salary £14 14s p.w. Dining-room facilities. Write Secretary. C 850

#### THE LONDON HOSPITAL, WHITECHAPEL, E.1 Pharmacist

Pharmacist
Vacancy exists for registered Pharmacist, Salar, £450 (age 23) x £25 to £575 according to previous experience and service, Dining-room facilities available, Write Secretary, C 850

#### WOOLWICH GROUP HOSPITAL

WOOLWICH GROUP HOSPITAL
MANAGEMENT COMMITTEE
Locum Pharmacists
required from early May onwards at Broo
General Hospital, Shooters Hill Road, S.E.I
(Tel.: Woolwich 1172) and at St. Nichola
Hospital, Tewson Road, Plumstead, S.E.I
(Tel.: Woolwich 1441), Salary £15 15s, pc
week, Apply to the Chief Pharmacist at th
hospital. hospital.

#### Appointments—Continued

### SUNDERLAND EDUCATION

SUNDERLAND EDUCATION
COMMITTEE
THE TECHNICAL COLLEGE
Principal: D. A. WRANGHAM, M.Sc.,
(Lond.), Sen.Wh.Sc., A.C.G.I., D.I.C.,
M.I.Mech.W.
APPLICATIONS are invuted for the following
posts in the Pharmacy Department:—
1. Lecturer in Pharmaceutics
Candidates must be graduates in Pharmacy or
possess a qualification of the Pharmaceutical
Soc ety and a degree, Preference will be given
to candidates who have had teaching, industrial
or re earch experence. The successful candidate
will be required to teach Pharmaceutics up to
the standard required for the Bachelor of Pharmacy
degree of the University of London.
He will also be required to assist in the
teaching of Forensic Pharmacy.
2. Assistant in Pharmacognosy
Candidates must be graduates in Pharmacy or

2. Assistant in Pharmacognosy
Candidates must be graduates in Pharmacy or hold a qualificat on of the Pharmaceut cal Society and a degree, Industrial, re-earch or teach ng experience will be an advantage though not a necessity. The successful candidate will be required to assist in the teaching of Pharmacognosy up to the standard recurred for the Examination of the Pharmaceutical Society.

for the Examination of the Pharmaceutical Society.

3. Assistant in Physiology and Biochemistry Candidates must possess a degree in Pharmacy, Physiology or Chemistry, Industrial, research or teaching experience will be an advantage but not a necessity.

but not a necessity.

The successful candidate will be required to assist with the teaching of Physiology and/or Bochemistry to the standard required for the Examination of the Pharmaceutical Society and Part I of the London B.Pharm, Examina-

tion.
Salary Scales: Post 1
Nen ... £965 x £25 — £1,065 per annum
Women ... £772 x £20 — £852 per annum
Posts 2 and 3

Posts 2 and 3
Men ... £525 x £25 — £920 per annum
Women ... £475 x £20 — £655 per annum
plus allowances for Degree and training, and
increments for approved industrial experience.
Duties to commence on September 1, 1955, or
as soon after as possible.
Further part culars and Forms of Application
may be obtained from the Registrar, The
Technical College, Sunderland, co. Durham.
Applications should reach the undersigned
within fourteen days of the appearance of this
advertisement,

W. THOMPSON

/ THOMPSON, Director of Education.

Education Offices, 15 John Street, Sunderland

C 8520

THE MILLER GENERAL
HOSPITAL,
GREENWICH, S.E.10
Senior Pharmacist
Applications are invited for the post of Senior
Pharmacist in a well-equipped pharmaceutical
department at the above hospital. Inspection
of the department may be made by arrangement
with Chef Pharmacist (Tel.: Tid 1136). Pharmaceutical Whitley Council salary and conditions. Applications to Secretary, G. & D./
H.M.C., St. Alfege's Hospital, S.E.10, as soon
as possible.

C 8475

WALSALL HOSPITAL
MANAGEMENT COMMITTEE
Senlor Pharmaceist
required at the Group Pharmaceutical Laboratory, Go-cote Hospital, Walsall, The laboratory is a central production and supply unit for the Group and duties would include the preparation of sterile solutions, ga'en cals and tablets, The laboratory is spacious, modern and well-equipped, and is pleasantly situated, Wh'tley Council scale of salary and conditions of service.

Whitey Council state of two referees to fervice.

Applications, with names of two referees to reach Group Secretary, Walsall H.M.C., General Ho-pital, Walsall, within 14 days of the adventionment. C 8491

#### WANSTEAD HOSPITAL,

WANSIEAD HOSPITAL,
HERMON HILL, E.11
Locum Pharmacist
required for any three consecutive weeks between June 1 and September 30, 15 guineas
per week, Applications with copy testimonials
to Secretary, Forest Group H.M.C., Langthorne Road, E.11.

#### WEST LONDON HOSPITAL,

HAMMERSMITH ROAD, W.6
Senior Pharmacist (Male)
required to take charge of production, sterile
preparation and stores at the above general
teaching hospital, where there is a busy pharmaceutical department and a wide variety of
exper ence is offered.
Whither ealery sceles and conditions

Whitley salary scales and conditions, qualifications, experience, names two referees to Secretary.

#### SITUATIONS OPEN

8/6 for 36 words (min.) then 3d, per word.

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

#### RETAIL (HOME)

ASSISTANT PHARMACIST, lady or gentleman, required mainly for dispensing at South London pharmacy, Ten minutes from Charing Cross and London Bridge Stations, Hours 9 a.m. to 6 p.m. Adequate supporting staff. Pleasant working conditions, Long or short engagement, Commencing salary £780 p.a. Apply Box C 212.

Apply Box C 212.

BARNET. Splendid opportunity for ambitious pharmacist to manare old-etablished business in pleasant area, with good dispensing connection and counter trade, Detached houre with four bedrooms, etc., adjacent to shop, n'ce garden with fruit trees, lawn, etc., available at modest rental, Good commencing salary, progressing with increased returns, and monthly bonus. Permanency with superannuation benefits. Apply, giving details of experience and stating when available for interview to Box C 2490.

BIRMINGHAM (centre), Senior lady, used to trade, with knowledge buying, general office routine, typing, to take an intelligent interest in the business. Full-time shop hours, Wednesday half-day, congenial post. Galloways, Photograph'c Chemists, Victoria Square. C 2406

graph'c Chemists, Victoria Square, C 2406
COVENTRY, Pharmacist required as assistant manager, male or female, for central pharmacy, Permanent position, Good supporting staff, No Sunday, holiday or rota duties, 44-hour week, Housing accommodation will be provided at economical rent to successful applicant, Superannuation scheme in operation, Minlmum salary £845 per annum plus bonus, Apply with full particulars to Superintendent Chemist, Lockhurst Lane Co-operative Society, Ltd., Holmsdale Road, Coventry.

C 2489
DONCASTER CO-OPERATIVE CHEMISTS.

hurst Lane Co-operative Society, C 2489

DONCASTER CO-OPERATIVE CHEMISTS,
LTD., require the services of Pharmacists
(male or female) as branch managers, Living
accommodation with one post, Minimum rate
£780 per annum, 44-hour week, Applications
and usual particulars to Superintendent Chemist, St. Sepulchre Gate, Doncaster, C 199

EWELL, SURREY, Assistant pharmacist to
take charge of dispensing in family business,
Permanency, Ledsham, 191 Kingston Road,
Ewell, Surrey.

Permanency, Ledsham, 191 Kingston Road, Ewell, Surrey.

LIVERPOOL. Pharmacist required for branch pharmacy, permanent position. Salary £832 per annum for a 44-hour week; full staff which includes dispenrer. Apply by letter to Metcalfe & Co. (Liverpool), Ltd., 34 Landford Avenue, Liverpool, 9.

PART-TIME PHARMACISTS, 10s. per hour, required by the Metal Englishment of the control of the control

raki-time Pharmacists, 10s, per hour, required N.1, N.16, E.C.1 and liford. Some evenings 6-8 and/or Sunday mornings, Dispensing duties, Apply Kendales Dispensing Chemists, 51 Exmouth Market, E.C.1. Phone: Terminus 9494.

PHARMACY BRANCH MANAGER required in the Wirral district, Flat available, Apply by letter with full details and salary required to Staff Manager, 14 Catherine Street, Birkenhead,

PHARMACIST REQUIRED for the position of branch manager, male or female, appl cations in writing stating age, experience, and wage required, together with copies of recent testimonials to the General Manager, Heckmondwike (Suitable house available.) Endorse Ltd., 3 Oak Street (P.O. Box No. 16), Heckmondwike (Suitable house available.) Endorse envelope "Chemist" in top left-hand corner. C 2502

LONDON, S.W., inner suburb. Wanted, unqualified assistant with some dispensing experience. Good salary for right person. Holidays by arrangement, Box C 2529.

RESPONSIBLE POSITION for energetic pharmesronsible POSITION for energetic pharmacist in well-established family business, Permanency, Complete charge of dispensary, excelent staff support, Able to assist manager and take full control when necessary. Living accommodation available, Good salary for right man, Box C 2522.

TEDDINGTON. Excellent opportunity pharmacist to manage family-tyre business in pleasant riverside district. Fermanency with superannuation benefits. Good salary and commission. N'cely fitted shop with acequate supporting staff. Apply with full details stating when available for interview to Box C 2491.

THAMES VALLEY, Young qualified manager required for branch, Comfortable living accommodation. No extra duties except N.H.S. rota, Fuller detailed information on request, Apply Box C 2516.

WHETSTONE. Pharmacist required to manage spac ous well fitted branch with substantial counter trade in pleasant North London suburb. Good opportunity for ambit ous man to earn top salary together with monthly bonus and rota duty payments, Permanency wth superannuation benefits, etc. Apply with full details stating when available for interview to Box C 2492.

UNQUALIFIED UNQUALIFIED ASSISTANT REQUIRED (either sex) for light dispensing and counter, A knowledge of photographic goods an advan-A knowledge of photographic goods an advan-tage. Please send particulars of education, experience in retail, copies of testimonials, age, salary required and date free, If engaged fare paid here from any part of British Isles, Ray-mond Smith, 2 Cliff Road, Newquay, Conwall.

C 2473
UNIQUE OPPORTUNITY occurs for pharmacist to take full charge of bury pharmacy in the best position in Woolwich, Appl cants must have had good experience of quick counter trade and be fully able to control stock and staff. Excellent salary and opportunity for man able to manage large turno er and extend it. Superannuar on scheme. No rota duties, Pleare give all details of age, previous experience, etc., to Managing Director, Arnold M. Gee. Ltd., 12 High Street, Colliers Wood, S.W.19.

C 2523

UNOUALIFIED ASSISTANT, lady or gentle-UNQUALIFIED ASSISTANT, lady or gentleman, with experience of dispensing, counter and toilets. No Sunday or half-day dut es. Reply giving details of experience and salary required to F. H. Stuttard, 31 Market Place, Poulton-le-Fylde, Blackpool, Lancs. C 2511

UNQUALIFIED MANAGER required for very pleasantly situated business near Che terfield, formerly pharmacy. Drugs, photographic, toilet, and seasonable fancy trade, Houre available, partnership or purchase entertained, Box C 2479.

#### LOCUMS WANTED

LOCUM OR PERMANENCY. Pharmacist commencing June required in m ddle-class retail and dispensing business in S.W. London, Give details of experience and salary expected. Apply W. J. Boyes, Ltd., 61 Balham Hill, S.W.12. C 2443

LOCUM PHARMACISTS REQUIRED London and Suburban areas, long or short periods, Permanency at conclusion of tour if desired, Salary and expenes basis, Apply to H. Warburton, M.P.S., Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10.

WANTED IMMEDIATELY, Pharmac'st to act as locum for about six weeks, applications starting ware required to be addressed to the Secretary, Heckmondwike & District Co-operative Society, Ltd., 3 Oak Street (P.O. Box 16), Heckmondwike, Endorse envelope "Locum" in top left-hand corner. C 2503

#### **RETAIL (OVERSEAS)**

PHARMACIST REQUIRED for Salisbury, S, Rhodesia, ma'e or female, recently qualified or with 1-3 years' experience. To work in modern pharmacy. Salary £900-£1,100 per annum according to exper ence, Air passage paid for applicant, Accommodation can be arranged. Low income tax, Good climate, Interview in London by arrangement, Write giving full particulars to Box No, 5183, Frostsmith Advertising, 64 Finsbury Pavement, London, E.C.2. C 8530

#### Mr. L. Frankel of Westdene Products (PTY) Limited, Johannesburg, S. Africa,

who represent some of the leading surgical houses, is visiting England for a few weeks from about the 22nd June. Monufocturers of purely British Specialities interested in discussing their problems in South Africa should kindly communicate with

MESSRS. BROWN BROTHERS 145 MOORGATE, LONDON E.C.2

C8518

#### CELLUCOTTON PRODUCTS LIMITED

The Manufacturers of Kleenex, Kotex and Delsey invite applications from Sales Representatives for two important appointments: (1) East Midlands-Derby, Notts, Leics and Lincoln; (2) Eastern Counties-Norfolk, Suffolk and Cambridge. Applicants should be under 40 years of age, and possess good personality, above average ability and enthusiasm. Connection with Retail Chemists and Co-Ops. on the territory an advantage. Positions are salaried with all out of pocket expenses and offer unusual opportunities for personal advancement. Apply in confidence, giving full details of age and experience, to: Sales Manager, Cellucotton Products Limited, Carkers Lane, London, N.W.5.

#### WRIGHT ATKINSON

- LIMITED -

THE employment specialists placing chemists and engineers in top-level posts in all branches of industry require additional candidates to complete short lists for the following vacancies, all of which are in London:-

- 1 Engineering Works Manager £3,000 p.a.
- 1 Chemical Project Engineer £3,000 p.a.
- 1 5ales Manager (Chemicals) -£2,500 p.a.
- 1 Chemical Plant Buyer -£1,500 p.a.
- 2 Engineering Production Managers
- £1,200 £1,500 p.a. 2 Medical Marketing Executives
  - £1,200 £1,500 p.a.
- 2 Medical Copywriters £1,200 £1,500 p.a.
- 4 Directors' Secretaries (female)

£600 - £800 p.a.

All applications should be made in the strictest confidence to:-

#### WRIGHT ATKINSON LIMITED 70 Queen Victoria Street, London, E.C.4

Telephone: CITy 2176

C8;

#### Situations Open-Continued

#### WHOLESALE

AN OPPORTUNITY occurs for a y male pharmacist to join the editorial AN OPPORTUNITY occurs for a young male pharmacist to join the editorial staff of THE CHEMIST AND DRUGGIST, The position entails sifting information on all aspects of pharmaceutical affairs and preparing it for publication; a service indispensable to the profession. Experence of the work is not required, but an inquiring mind and some gft for writing are essential. Salary is according to qualifications and experience, Applications should be sent to the Editor, The Chemist and Druggist, 28 Essex Street, London, W.C.2. C 829

ADVERTISING
ASSISTANT
Parke, Davis & Co., Ltd., require a young pharmacist in their Advertising Department, He will be involved in all aspects of Advertising and Sales Promotion and in part.cular the compilation and pre-entation of medical literature from technical information provided, some literary ability is therefore an advantage, Generous pension plan, five-day week, staff restaurant, Write in the first instance giving full particulars of experience and pre-ent salary to:

Personnel Manager,
Parke, Davis & Co., Ltd.,
Staines Road, Hounslow, Middlesex
C 8504

ALLIED LABORATORIES, LTD. Invite applications for the position of medical representative to take over their established connection in the South Yorkshire area. Previous experience is not essential, but candidates must have a sound pharmaceutical background, live on and know the territory well. The position is a progressive one and remuneration is by way of salary, commission and expenses. Applications stating age and a brief review of career to date should be addressed in confidence to Sales Manager, Allied Laboratories, Ltd., 140 Park Lane, London, W.1.

AN EXPERIENCED REPRESENTATIVE required by nationally known house of perfumery manufacturers for a territory comprising Kent, Surrey, Sussex, Berks, Oxon, South London and the West End, Appl cants should have an established connection amongst retail chemists, departmental stores and co-operative societies on the ground indicated, Remuneration is by way of salary, expenses and commission, Write with fullest details to Saville Perfumery, Ltd., Rickmansworth Road, Watford, Herts.

A QUITE EXCEPTIONAL new product will be launched peys week wish A QUITE EXCEPTIONAL new product will be launched next week with national advertising in the leading high-class ladies' magazines, A splendid opportunity occurs for first-class representatives to add this and other attractive lines to the range they sell on excellent commission terms, Territories vacant South Coast, Midlands, Yorkshire, Scotland, South Wales, Write Box C 8449.

ASSISTANT SALES MANAGER
John Wyeth & Brother Limited
invite applications for the position of
Assistant Sales Manager, Medical representative experience is essential, preferably
with a period as a district or area supervisor, or as junior sales executive. Preference will be given to Pharmacists but other
persons with the right background and experience will be considered. The successful
applicant will be about 35, energetic, enthusiastic, willing to spend most of his
time on outside duties. The appointment
offers considerable scope for initiative and
excellent prospects—superannuation scheme
in force, Full particulars, including photograph, to: The Sales Manager, John
Wyeth & Brother, Ltd., Clifton House,
Euston Road, London, N.W.1. C 8429

EXPERIENCED medical representative with good contacts required in South Wales by firm of leading manufacturing chemists marketing ethical proprictaries in the United Kingdom, Good salary and generous expenses allowed, Car owner essential, Pension scheme. Please give full details of experience in initial application to Calmic, Ltd., Crewe Hall, Crewe, Cheshire.

#### C. L. BENCARD, LTD.

wish to appoint men of exceptional ability and first-rate experience as medical repre-sentatives in the following areas:

- (1) Eastern half of Yorkshire.
- (2) Surrey and S.W. London,
- (3) Hants, Wilts and Dorset,
- (4) A Lancashire area bounded by Bol-ton, Bury, Rochdale, Salford and adjacent areas,

adjacent areas,
These are key appointments in a large and effective-sales force backed by vigorous and progressive ethical promotion from within the company. The remuneration will be in proportion to the importance of the posts. Cars and full expenses are provided. Pension and bonus schemes are in operation. Apply giving full details of experience to the Sales Manager, C. L. Bencard, Ltd., Park Royal, London, N.W.10. C 852

EXPERIENCED PROCESS WORKER of for pharmaceutical manufacturers. Five-day week, Canteen, Apply Wm, R, Warner & Co., Ltd., Power Road, Chiswick, W.4. © 8494 HYPODERMIC SYRINGES, Manufacturer now going direct to hospitals requires experienced representatives in all areas, Please state full particulars to L, R, Wilson (Instruments), Ltd., 9 Blackfriars Street, Salford, 3, C 2482 IMPERIAL CHEMICAL INDUSTRIES, LTD., unvites applications from men with a sound medical or pharmaceutical background between 25 and 35 years of age for medical representative work in the South of England, Successful candidates, after an initial period of training will be posted to territories in Southerm England and will be directly responsible to a pharmaceutical Sales Manager with headquarters in London, Applications in the first instance should be made in writing to The Staff Manager, Imperial Chemical (Pharmaceuticals), Ltd., Fulshaw Hall, Wilmslow, Manchester, C 8829 LONDON REPRESENTATIVE REQUIRED for well-known nationally advertised hair cosmetics, Actual sales experience essential, age limit 40, Good salary and commission, Great scope, References required, Apply Box C 8507.

#### Situations Open—Continued

JOHNSON & JOHNSON (Gt. Britain), LTD., JOHNSON & JOHNSON (Gt. Britain), LTD., require a first-class representative to call on retail and wholesale chemists in the Cumberland, Durham and Northumberland area. Preference will be given to those with connections in the area. The appointment is permanent and pensionable. A motor-car is provided, and remuneration is by salary and commission with liberal expenses. Applications, which will be treated in confidence, should give full details of past experience and be addressed to:—Pharmaceutical Sales Manager, Johnson & Johnson (Gt. Britain), Ltd., Slough, Bucks.

C 8483

Pharmaceutical Sales Manager, Johnson & Johnson (Gt. Britain), Ltd., Slough, Bucks. C 8483 MANAGER REQUIRED for packing department by expanding pharmaceutical house. Allround experence and organising ability essential, Good salary and prospects, Particulars to Box C 8456, MEDICAL REPRESENTATIVES. Sandoz Products, Ltd., invite applications from young men for the immediate appointment of Medical Representatives in the following areas:—(a) Bristol, including Gloucestershire, Somerset, Devon and Cornwall. (b) South Wales, including South Welsh counties, Attractive salary; superannuation scheme in operation, Thorough training given. Age not exceeding 32. Applicants should be pharmacists (preferably F.P.S.). Please send full details of age, education, qualifications and experience, with photograph, to Staff Manager, Sandoz Products, Ltd., 134 Wigmone Street, London, W.1. C 8532. PARKE, DAVIS & CO., LTD., invite applications from pharmacists for a Jun'or Executive position in their pharmaceut'cal manufacturing division. The position entails supervision of groups of process workers and offers an opportunity to gain wide experience in modern large-scale production methods, Good promotion prospects, previous manufacturing experience, while an advantage, is not exential, Five-day week, Staff retaurant, Generous pension plan. Write with full particulars to Personnel Manager, Staines Road, Hounslow, Middlecx.

PHARMACIST with view to works manager ship required for manufacture and distribution of galen cals and sterile preparations, Excellent opportunity for keen and industrious person. Apply Biorex Laborator'es, Ltd., 47/51 Exmouth Market, E.C.1, Phone: Terminus 9494. C 8514

PHARMACIST REQUIRED to take over divises of assistant works manager for well.

duties of assistant works manager for well-known Yorkshire Wholesale Druggists, Excelent prospects for the right type of man, Please state salary required and experience, Apply Box C 8497.

Box C 8497.

PHOTOGRAPHIC SALESMEN. Two experienced sale men wanted for new branch to be opened in Coventry, approximately July 1.

Apply giving details of knowledge and experience, age, etc. Applications will be treated in strict confidence and should be adddrexed to L. Fox Taylor, Cine Equipments, Ltd., 9A Dale End, Birmingham.

C 2483

Dale End, Birmingham, C 2465

PRICING CLERK. Male or female required by Midland who'esalers, Apply stating age, experience, salary required, Philip Harris, Ltd., 144

Edmund Street, Birmingham, 3, C 2513

PRICING CLERK REQUIRED. Experienced in drugs and patents, Salary £500 p.a. for right person. Apply Managing Director, Borex Laboratories, Ltd., 47/51 Exmouth C 851.

E.C.I. Phone: Terminus 9494.

PROCESS WORKER REQUIRED by S.E.

PROCESS WORKER REQUIRED by S.E. London manufacturing chemists, Five-day week, Apply giving full particulars of past experience and age to Box C 8492.

and age to Box C 8492.

PRODUCTION MANAGER. Through a referement Wm, R, Warner & Co., Ltd., require in experienced product on manager for their harmaceutical laboratories, Power Road, Chiswick, London, W.4, Applicants, age precired 35-45, should have a technical qualification and experience of work study and other nodern management procedures, Salary around 1,500, non-contributory pension scheme. Full letails please, to controller of production under confidential cover.

C 8493

#### REPRESENTATIVE

required to take over sound connection in Nottinghamshire and Lincolnshire. Car provided and pension scheme, Give full particulars including age and experience, etc., in confidence, to Brook, Parker & Co., Ltd., Ashfield, Bradford. C 8508

TERILE INJECTION DEPT. Operators, llers and checkers required by Biorex Labora-pries, Ltd. Apply 47/51 Exmouth Market, C.I. Phone: Terminus 9494. C 8516 REPRESENTATIVE REQUIRED by manufacturing chemists for South London territory, Experience in selling both pharmaceutical proprietaries and standard tablets an advantage, Salary, commission and pension scheme, company's car available. Apply with details of past experience to Box C 2506.

REPRESENTATIVE, experienced, with pharmaceutical background, to take over first-class connection Midland Counties, Reputable manuconnection Midland Counties, Reputable manufacturers calling on the qualified veterinary profession only. Excellent opportunity, Car provided and usual expenses, Good salary with quarterly turnover bonus. Send full details, age (23-50) and experience, in strict confidence to Box C 8531.

REPRESENTATIVES with good connection with Chemists, Hairdressers, Wholesalers, etc., are required by a top-ranking firm of Continental Toilet Preparations Manufacturers who are preparing to launch their products on the English Market, A full-scale National Advertising Campaign is scheduled to commence in Woman, Woman's Own, etc., on June 2. Although remuneration will be on a commission basis at first it will not be a question of "Pioneering" as full-icale National Advertising will create immediate demands.

demands.

demands.
The areas open are:—
Yorkshire and/or Counties North thereof;
London south of the Thames and/or Surrey, Sussex, Kent; the Home Counties excluding Middle ex; all Count es east of the
line Lincolnshire, Huntingdonshire including same; South Wales and the County of
Gloucester.
This is an excellent proposition for the

Gloucester, This is an excellent proposition for the right men. Write in the first instance to SCHERK, LIMITED, 66 Victoria Street, S.W.1, giving details of area covered, period between visit and type of other lines carried, C 8523

REQUIRED by London Manufacturing Chemists, Medical Repre entative between the ages of 25 and 40, with good pharmaceut cal background and knowledge of medical nomenbackground and knowledge of medical nomen-clature, to visit doctors, hospitals, dentists and chemists in Yorkshire, Durham and Northum-berland areas for the purpose of propaganda for ethical products. Applicants should state age, experience and salary required to Box G 215.

REPRESENTATIVES or Agents required by manufacturers to develop sales of well-known non-teasonable and superbly pre-ented proprietaries and medicated confectionery on a few important territories including London, Scotland, North and North-west and South England. Applications are invited from salesmen with above-average ability and successful selling records and preferably those requiring joint representation with pre-ent house. The appointments offer exceptional opportunities to the right men. Fullest details including age, experience, whether car owner, etc., in confidence. Box C 2524.

ROCHE PRODUCTS, LIMITED, invite applirocthe PRODUCTS, LIMITED, invite applications for posts of medical representatives for South Wales and Scotland. A pharmaceutical qualification or equivalent academic achievement desirable but not essential. Usual expenses and salary commensurate with experience. Contributory pension scheme in operation. Please send in confidence full details of age, experience, etc., to the Secretary, Roche Products, Limited, 15 Manchester Square, London, W.1.

routels, Inimed, 15 Malichester Square. Cordon, W.I.

C 8465
SALES MANAGER. Manufacturing chemists in Northern England, marketing range of proprietary products known the world over, are appointing sales manager. Candidates, preferably between thirty and forty years of are, should have had previous experience of merchandising and active selling in this field. Responsibilities include work on marketing plans, and vigorous supervision of representative staff. The appointment is full of interest and of challenge, and after a period of qualification there is a pension scheme. Applicants are asked to detail their work to date, and state salary required. All information will be regarded as confidential; all applications will be acknowledged; and should be addressed to Managing Director, Box C 2494.

WELL-KNOWN COSMETIC COMPANY quires representative for North London territory. Connection with chemists and departmental stores an advantage, Car essential. Salary £600 per annum plus commission, Car allowance and expenses, Box C 8459. WHOLESALE AND MANUFACTURING chemists require representative with sound knowledge of drugs and prescription products to call on chemists, hospitals and veterinary surgeons in North Hampshire, Surrey, and Berkshire, Applicants must be experienced and own car, Progressive position with good salary, commission and usual expenses. Write, giving full details of experience, J. M. Loveridge, Ltd., 6 Millbrook Road, Southampton, C 2509 WINTHROP PRODUCTS, LTD. (associated with Bayer Products, Ltd.), require a young correspondent for export department, Previous export experience not necessary but pharmaceutical or medical background essential, Languages useful, Position is progressive, Fullest details to Export Director, Neville House, Eden Street, Kingston-on-Thames, Surrey. C 8499 UNITED KINGDOM DISTRIBUTORS for a new range of ophthalmic preparations require a representative to visit ophthalmologists throughout the country. Previous experience, although desirable, is not essential as training will be given both in the U.K., and by the Continental manufacturers. Remuneration by salary and expenses. Company's car provided, Contributory pension scheme is in operation, Apply in first instance to Box C 2507.

#### WHOLESALE (OVERSEAS)

PHARMACISTS REQUIRED by

PHARMACISTS REQUIRED by overseas manufacturing concern, Permanent post, good prospects, Apply Box C 2518. SCANDINAVIA. Anglo-American manufacturers of ethical medical special ties wish to appoint first-class medical representative for Scandinavia. Fluent Swedish and good pharmaceutical or medical background essential, Successful applicant would reside abroad with regular visits to U.K. Duties: liaison between Scandinavian agents and London office; detailing important doctors, hospitals, etc.; general promotion of company's products on market, Good salary, expenses, Detailed application (strictest confidence) to Box C 8498. T. & H. SMITH, LTD., invite applications from qualified chemists for position of Technical Manager of the Kurram Chemical Co., Ltd., Rawalpindi, Pakistan, First-class return fare will be paid for successful applicant, wife and family; three-year contract with suitable leave and medical benefits; partly furnished accommodation provided free; attractive salary. Position would suit chemist 30-35 years, married with young family who has had some managerial experience, Reply with full particulars to Works Director, T. & H. Smith, Ltd., Blandfield Chemical Works, Edinburgh, 11. C 8512 WANTED by European import house in Thai-

11. C8312

WANTED by European import house in Thai-land, young British executive for pharmaceuti-cal imports, Pharmaceutical exper'ence and background essential, Apply Box C 2508,

#### SITUATIONS WANTED

3/- for 18 words (min.) then 2d, per word.

#### RETAIL (HOME)

LONDON RETIRED STOCKTAKER. Good knowledge all branches trade requires suitable position wholesale or retail. Excellent references, Box C 2520.

#### WHOLESALE

LONDON RETIRED STOCKTAKER, Good

LONDON RETIRED STOCKTAKER, Good knowledge all branches trade requires suitable position wholesale or retail, Excellent references, Box C 2521.

PURCHASING OFFICER, fully experienced buying and all departmental duties seeks position London/S. England, Particularly interested packaging, Good references, Box C 2525.

SALES MANAGER, F.S.M.A., widely experienced in marketing, sales, organisation and sales promotion is open for engagement in London area, Box C 2519.

SALES OFFICE ASSISTANT, aged 39, already employed by manufacturing chemists, seeks chamee. Able to take charge of office. Box C 2474.

#### **AGENCIES**

17/6 for 36 words (min.) then 4d. per word. Box 2/-

AGENTS! Please write us if you call on chemists, stores or co-operatives, Vacant areas in some Northern, Midland, Eastern and Southwestern counties, also London, Most successful line, generous commission, Box C 8509.

#### Agencies—Continued

A SELECT few well-connected agents are invited to name their own commission basis to introduce a most attractive new line for one complete journey. For further particulars please write immediately to Box C 8448.

INTERNATIONALLY FAMOUS manufacturing company who have hitherto produced goods for the hardware trade are now manufacturing company who have hitherto produced goods for the hardware trade are now manufacturing products for sale to the whole ale and retail chemist trade, Agents now required for all parts of the country who have good connections with the trade, Commission basis only. Excellent prospects for the right men, Write for particulars to Box C 2515.

WANTED. Agent to handle plastic toilet goods for old-established firm, covering South, Southwest England. Box C 8495.

WANTED. Agent to handle plastic to let goods for old-e-tablished firm, covering South Wales, Box C 8496.

#### **AGENCIES WANTED**

8/6 for 36 words (min.) then 3d. per word.

#### AGENCIES WANTED

AGENCIES WANTED

Old-established firm of agents in the Irish Republe with staff of first-class representatives and over 1,200 chemist accounts wish to negotiate for add t.onal agencies for known products. Specially interested in tooth-paste, tolet preparations, stomach remedies, ton cs, photographic goods, etc. All facilities for distribution and packaging if required, Will not take up any agency unless able to guarantee increased turno.cr, Apply Box C 8506.

WELL - ESTABLISHED DISTRIBUTORS co-ering mo.t of the country, with connections among chemists, stores, multiple stores and wholesalers, are open for new Ines, Let us put your goods where they will be sold, All correspondence treated in strict confidence. correspondence tr Apply Box C 2471,

#### **BUSINESS OPPORTUNITIES**

17/6 for 36 words (min.) then 4d. per word. Box 2/-

EXPERIENCED MEDICAL REPRESENTA-TIVE, preferably M.P.S., is othered director-ship in limited company about to be formed for the importation and distribution of ethical proprietaries. Capital required £750, Box

STRIP PACKED ASPIRIN TABLETS, B.P., 5 gr., Inquiries solicited, The Dales Tablet Makers, Ltd., Steeton, Yorkshire.

#### **PATENTS**

17/6 for 36 words (min.) then 4d. per word. Box 2/-

PATENT 600658—in connection with Hormone Extracts, The proprietors of Patent 600658 desire to enter into arrangements by way of Leence or otherwise on leasonable terms to ensure its full de-elopment and commercial working in this country, Address enquiries to: W. P. Thompson & Co., Chartered Patent and Trade Mark Agents, 12 Church Street, Liverpool, I. Trade Mark Agents, 12 Church Street, Liverpool, I.
THE PROPRIETOR of British Patent No.
666,348, entitled "Method and apparatus to
indicate or observe progressive exercise of
injured sphincter mu.c.es," offers same for
licence or otherwise to ensure practical working
in Great Britain, Inquiries to Singer, Stern &
Carlberg, 14 E, Jackson Blvd., Chicago 4,
Illinois, U.S.A. C 8458

#### WANTED

17/6 for 36 words (min.) then 4d. per word. Box 2/-

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Lawrence Edwards & Co., Ltd., 6/7 Wellington Cloe, Ledburg Road, London, W.I. Tel.: Bayswater 4020, 7692.

ALL KINDS OF BOTTLES, JARS, SCREW CAPS, cartons, packaging materials and manufacturers' stocks of all kinds bought at fair price for spot cash. We are buyers of merchandise of EVERY DESCRIPTION. Clearance Stocks, Discontinued lines, Surplus and Redundant Stocks, Should you have anything for disposal, please send us samples and part culars. Reliance Trading Co., 13 New Collere Parade, Finch'ey Road, N.W.3, C. 153 MEDICAL BOTTLES, tablet bott'es, closures and all types of packaging materials purchased, no quantity too larse. Samples and full details to Noel Davold & Co., 9 Laurence Pountney Lane, Cannon Street, E.C.4. Mansion Houle 3951-2.

#### MISCELLANEOUS SALES

17/6 for 36 words (min.) then 4d. per word.

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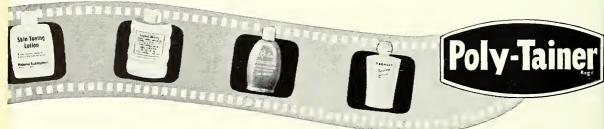
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